# EOG Resources, Inc. P.O. 1910 Vernal, UT 84078

August 29, 2005

Utah Division of Oil, Gas, & Mining 1594 West North Temple, Suite 1210 P.O. Box 145801 Salt Lake City, UT 84114-5801

RE: APPLICATION FOR PERMIT TO DRILL STAGECOACH UNIT 94-17 NE/SE, SEC. 17, T9S, R22E UINTAH COUNTY, UTAH

> LEASE NO.: U-0143459 UTE INDIAN TRIBAL LANDS

Enclosed please find a copy of the Application for Permit to Drill and associated attachments for the referenced well.

Please address further communication regarding this matter (including approval) to:

Ed Trotter P.O. Box 1910

Vernal, UT 84078

Phone: (435)789-4120 Fax: (435)789-1420

Sincerely

Agent

Ed Trotter

EOG Resources, Inc.

Attachments

RECEIVED

SEP 1 9 2005

DIV. OF OIL, GAS & MINING

# **UNITED STATES** DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB No. 1004-0137 Expires March 31, 2007

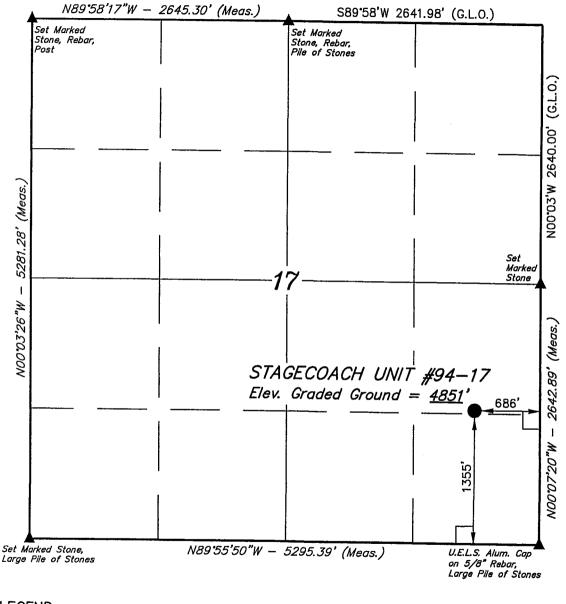
5. Lease Serial No.

<u>U-(</u>	<u>)1434</u>	<u>59</u>	

6. If Indian, Allottee or Tribe Name **UTE INDIAN TRIBE** 

APPLICATION FOR PERM	ER Ü	UTE INDIAN TRIBE			
1a. Type of Work: X DRILL		7. If Unit or CA Agreement, Name and No.  STAGECOACH UNIT			
1b. Type of Well: Oil Well X Gas Well Ott	ner Single Zone X Multiple Zone		ease Name and W	Vell No. H UNIT 94-17	
2. Name of Operator EOG RESOURCES, INC.		9. A	PI Well No. 43-04	1-37151-	
3a. Address P.O. BOX 1815  VERNAL, UT 84078	3b. Phone No. (Include area code) (435)789-0790	N.	d and Pool, or Ex ATURAL I	ploratory BUTTES	
			CC. 17, T9S S.L.B.&N		
14. Distance in miles and direction from nearest town or pos 16.3 MILES SOUTHEAST OF OU	RAY, UTAH		nty or Parish	13. State UTAH	
15. Distance from proposed* location to nearest 686' property or lease line, ft. (Also to nearest drig. Unit line, if any)	16. No. of Acres in lease 280	17. Spacing	Unit dedicated to	o this well	
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. See Topo Map C	19. Proposed Depth 10,700'	l	). BLM/BIA Bond No. on file NM-2308		
21. Elevations (Show whether DF, KDB, RT, GL, etc.)  4851.0 FEET GRADED GROUND	22. Approximate date work will start* UPON APPROVAL		23. Esti mated duration 45 DAYS		
Attachments The following, completed in accordance with the require	24. Attachments rements of Onshore Oil and Gas Order No. 1, s	hall be attached	to this form:		
<ol> <li>Well plat certified by a registered surveyor.</li> <li>A Drilling Plan.</li> <li>A Surface Use Plan (if the location is on National Fo SUPO shall be filed with the appropriate Forest Serv</li> </ol>	4. Bond to cover the (see Item 20 aborest System Lands, the rice Office).  5. Operator certificate    6. Such other site specific by the authorize	ove). ion. cific information		-	
25. Signature Act to the Title	Name (Printed/Typed) Ed Trotter		 	Date August 29, 2005	
Agent					
Approved by (Signature)	Name Printed Typed Y G. HILL ENVIRONMENTAL SCIENTIS		Date	-21-05	
Title M	Office				
Application approval does not warrant or certify that the application operations thereon.  Conditions of Approval, if any, are attached.	icant holds legal or equitable title to those right	s in the subject	lease which would	d entitle the applicant to	
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 12. United States any false, fictitious or fraudulent statements or	12, make it a crime for any person knowingly as representations as to any matter within its jurison	nd willfully to n	nake to any depar	tment or accuracy of the	

# T9S, R22E, S.L.B.&M.



#### LEGEND:

= 90° SYMBOL

= PROPOSED WELL HEAD.

= SECTION CORNERS LOCATED.

(NAD 27) LATITUDE = 40.01.57.01" LONGITUDE = 109'27'22.23" (109.456175)

(40.032503)

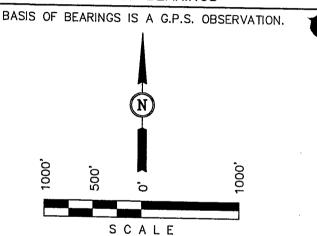
EOG RESOURCES, INC.

Well location, STAGECOACH UNIT #94-17, located as shown in the NE 1/4 SE 1/4 of Section 17, T9S, R22E, S.L.B.&M. Uintah County, Utah.

#### BASIS OF ELEVATION

BENCH MARK 20EAM LOCATED IN THE SE 1/4 OF SECTION 35, T8S, R21E, S.L.B.&M. TAKEN FROM THE OURAY SE, QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4697 FEET.

#### BASIS OF BEARINGS



# CERTIFICATE HILLIAM

THIS IS TO CERTIFY THAT THE THOUGH PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELL

> REGISTEREDA AND SURVEYOR REGISTRATION NO. 161319

UINTAH ENGINEERING & LAND SURVEYING 85 SOUTH 200 EAST - VERNAL UTAH 84078

(435) 789-1017

<u> </u>	7) 105-1017			
SCALE 1" = 1000'	DATE SURVEYED: 08-17-04	DATE DRAWN: 08-27-04		
G.S. W.L. D.COX	REFERENCES G.L.O. PLA	REFERENCES G.L.O. PLAT		
WEATHER WARM	FILE EOG RESOUR	RCES, INC.		

# STAGECOACH UNIT 94-17 NE/SE, SEC. 17, T9S, R22E, S.L.B.&M. UINTAH COUNTY, UTAH

# 1. & 2. ESTIMATED TOPS & ANTICIPATED OIL, GAS, & WATER ZONES:

DEPTH (KB)
1,667'
4,907'
6,784'
7,340'
7,636'
8,358'
9,127'
9,590'
9,786'
10,020'
10,220'

EST. TD: 10,700'

Anticipated BHP 4640 PSI

**PRESSURE CONTROL EQUIPMENT:** A 5M BOP will be used on the Production Hole only. (See attached BOP Diagram), Pressure Control Equipment will not be used on the Surface Hole.

### 4. CASING PROGRAM:

							<u>MINIMU</u>	M SAFET	Y FACTOR
HOLE SIZ	<u>E INTERVAL</u>	<b>LENGTH</b>	<u>SIZE</u>	<b>WEIGHT</b>	<u>GRADE</u>	<b>THREAD</b>	COLLA	SE BURST	TENSILE
20"	0' - 45'+/- GL	45'+/-	13 3/8"	48.0 #	H-40	ST&C	770 PSI	1730 PSI	322,000#
12 1/4"	45' - 2300'+/- KB	3 2300' +/-	9 5/8"	36.0 #	J-55	ST&C	2020 PSI		,
7 7/8"	2300' – TD+/-KB	10,700'+/-	4 1/2"	11.6#	N-80	LT&C			223,000#

The 12 1/4" Intermediate hole will be drilled to a total depth of 300' below the base of the Green River lost circulation zone and 9 5/8" casing will be set to that depth. Actual setting depth of the 9 5/8" casing may be less than 2300' in this well.

All casing will be new or inspected.

#### 5. Float Equipment:

#### **CONDUCTOR HOLE PROCEDURE (0-45' Below GL):**

None

#### **SURFACE HOLE PROCEDURE (45'-2300'):**

Guide Shoe

Insert Float Collar (PDC drillable)

Cents.: 1-5' above shoe, top of jts. #2 and #3 then every 5<sup>th</sup> joint to surface.

# STAGECOACH UNIT 94-17 NE/SE, SEC. 17, T9S, R22E, S.L.B.&M. UINTAH COUNTY, UTAH

#### Float Equipment:

# **PRODUCTION HOLE PROCEDURE 2300'-TD:**

FS, 1 joint of casing, FC, and balance of casing to surface.

#### 6. MUD PROGRAM

# **CONDUCTOR HOLE PROCEDURE (0-45' Below GL):**

Dry or light mud as needed to support drilling by Bucket Rig.

# **SURFACE HOLE PROCEDURE (45'-2300'):**

Air, Air Mist and Water (circulate through reserve pit) with Gel/LCM sweeps.

#### **PRODUCTION HOLE PROCEDURE 2300'-TD:**

2300'- 4500' Water (circulate through reserve pit) with Gel/LCM sweeps.

- 4500'- 6900' Close in mud system. "Mud up" with <u>6.0 ppb</u> Diammonium Phosphate (DAP). Drill with DAP water, POLYPLUS for viscosity and hole cleaning, adding KLA-GARD B for supplemental inhibition. Also sweep hole periodically w/ Durogel / LCM sweeps to clean the hole and seal loss zones. Add additional LCM as hole dictates. Mud weight and vis as needed, water loss no control.
- Discontinue KLA-GARD B. Utilize POLYPAC-R for fluid loss control. Maintain <u>5.5</u> ppb DAP. Do not mix caustic or lime. Maintain 7.5-8.5 pH. Weight up system and add vis as hole conditions require. Run LCM sweep periodically to seal off loss zones or more often as hole dictates. Water loss: 20 cc's maximum. Expect increasing gas shows requiring heavier mud weights from top of Island onward. Treat CO<sub>2</sub> contamination with DESCO CF and OSIL (Oxygen scavenger) if mud properties dictate.

#### 7. VARIANCE REQUESTS:

- A. EOG Resources, Inc. requests a variance to regulations requiring a straight run blooie line (Where possible, a straight run blooie line will be used).
- B. EOG Resources, Inc. requests a variance to regulations requiring an automatic ignitor or continuous pilot light on the blooie line. (Not required on aerated water system).
- C. EOG Resources, Inc. requests a variance to regulations requiring the blooie line to be 100' in length. To reduce location excavation, the blooie line will be 75' in length.

#### 8. EVALUATION PROGRAM:

Logs: Schlumberger Platform Express TD – Surface Casing, with Di-pole Sonic from TD to surface in 1 run.

# STAGECOACH UNIT 94-17 NE/SE, SEC. 17, T9S, R22E, S.L.B.&M. UINTAH COUNTY, UTAH

#### 9. CEMENT PROGRAM:

# **CONDUCTOR HOLE PROCEDURE (0-45' Below GL):**

Cement to surface with Redi-Mix cement

# **SURFACE HOLE PROCEDURE (45'-2300'+/-):**

#### Option #1: Well circulates or drills with air.

Tail: 500' of Class 'G' mixed at 15.8 ppg w/ 2% CaCl2 & 0.25 pps Flocele + 35% Excess or Type 5 Cement mixed at 15.6 ppg w/ 2% CaCl2 & 0.25 pps Flocele + 35% Excess.

**Lead:** Hi-Fill Cement mixed at 11 ppg with 16% Gel, 10#/sx Gilsonite, 3% salt, 3#/sx GR-3 and 0.25 #/sx Flocele plus 35% Excess to get cement returns to surface.

#### Option #2: Well does not circulate.

Class 'G' cement mixed at 15.8 ppg w/ 2% CaCl2 & 0.25 pps Flocele + 35% Excess or Type % 5 Cement mixed at 15.6 ppg w/ 2% CaCl2 & 0.25 pps Flocele + 35% Excess to 100' above the lost circulation zone and top out with same with 3-4% CaCl2 to get cement returns to surface.

### **PRODUCTION HOLE PROCEDURE 2300'-TD:**

Lead: 110 sks 35:65 Poz G w/ 4% D20 (Bentonite), 2% D174 (Extender), 0.2% D65 (Dispersant), 0.2% D46 (Antifoam), 0.75% D112 (Fluid Loss Additive), 0.15% D13 (Retarder), 0.25 pps D29 (cello flakes), mixed at 13.0 ppg, 1.73 cu. ft./sk., 9.06 gps water

**Tail:** 190 sks: 50:50 Poz G w/ 2% D20 (Bentonite), 0.1% D46 (Antifoam), 0.15% D13 (Retarder), 0.2% D167 (Fluid Loss Additive), 0.2% D65 (Dispersant), mixed at 14.1 ppg, 1.28 cu. ft./sk., 5.9 gps water.

# 10. ABNORMAL CONDITIONS:

# SURFACE HOLE (45'-2300')

Potential Problems: Lost circulation below 1800' and minor amounts of gas may be present.

#### PRODUCTION HOLE 2300'-TD

Potential Problems: Sloughing shales and key seat development are possible in the Wasatch

Formation. CO<sub>2</sub> contamination in the mud is possible in the Price River (Mesa

Verde).

# STAGECOACH UNIT 94-17 NE/SE, SEC. 17, T9S, R22E, S.L.B.&M. UINTAH COUNTY, UTAH

# 11. STANDARD REQUIRED EQUIPMENT:

- A. Choke Manifold
- B. Kelly Cock
- C. Stabbing Valve
- D. Visual Mud Monitoring

# 12. <u>HAZARDOUS CHEMICALS:</u>

No chemicals subject to reporting under SARA title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.

(Attachment: BOP Schematic Diagram)

#### **5000 PSIG DIAGRAM**

OR PIT

ANNULAR PREVENTOR AND BOTH RAMS ARE 5000 PSIG RATED. CASING FLANGE IS 11" 5000 PSIG RATED. **ROTATING HEAD** BOPE 11" 5000 PSIG TESTING PROCEDURE: FLOW LINE 1. BOPE's will be tested with a professional tester to conform to Onshore Order #2 with retest every 14 days. 2. Blind & Pipe rams will be tested to rated working pressure, 5000 psig. 3. Annular preventor will be tested to 50% of working pressure, 2500 psig. 4. Casing will be tested to 0.22 psi/ft. or 2500 psig. Not to exceed 70% of burst **ANNULAR** strength, whichever is greater. **PREVENTER** 5. All lines subject to well pressure will be pressure-tested to the same pressure as blind & pipe rams. 6. All BOPE specifications and configurations will meet Onshore Order #2 requirements for 5000 psig BOPE specifications. PIPE RAMS **CHOKE MANIFOLD** 2" MIN ADJUSTABLE CHOKE TO MUD/GAS SEPARATOR OR PIT **BLIND RAMS** 3" MINIMUM RATED **5000 PSIG** 3" MINIMUM 2" KILL LINE BLEED LINE TO PIT 3" DIAMETER **CASING** \FLANGE 2" MINIMUM SPOOL 11" 5000 PSIG TO MUD/GAS SEPARATOR

ADJUSTABLE CHOKE

# CONDITIONS OF APPROVAL FOR THE SURFACE USE PROGRAM OF THE APPLICATION FOR PERMIT TO DRILL

Company/Operator:

EOG Resources, Inc.

Well Name & Number: Stagecoach Unit 94-17

Lease Number:

U-0143459

Location:

1355' FSL & 686' FEL, NE/SE, Sec. 17,

T9S, R22E, S.L.B.&M., Uintah County

Surface Ownership:

Ute Indian Tribe

#### NOTIFICATION REQUIREMENTS

Location Construction - forty-eight (48) hours prior to construction

of location and access roads.

Location Completion - prior to moving on the drilling rig.

Spud Notice:

- at least twenty-four (24) hours prior to

spudding the well.

Casing String and

Cementing

- twenty-four (24) hours prior to running

casing and cementing all casing strings.

BOP and related

**Equipment Tests** 

- twenty-four (24) hours prior to running

casing and tests.

First Production

Notice

- within five (5) business days after new

Well begins or production resumes after Well has been off production for more

than ninety (90) days.

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

### THIRTEEN POINT SURFACE USE PROGRAM

#### 1. EXISTING ROADS

- A. See attached Wellsite Plats showing directional reference stakes on location, and attached TOPO Map "B" showing access to location from existing roads.
- B. The proposed well site is located approximately 16.3 miles southeast of Ouray, Utah See attached TOPO Map "A".
- C. Refer to attached Topographic Map "A" showing labeled access route to location.
- D. Existing roads will be maintained and repaired as necessary. No off lease Right-of-Way will be required.

#### 2. PLANNED ACCESS ROAD

- A. An existing access road will be utilized to service this well. See attached TOPO Map "B".
- B. The access road has a 30 foot ROW w/ 18 foot running surface.
- C. Maximum grade on access road will be 8%.
- D. No turnouts will be required.
- E. Road drainage crossings shall be of the typical dry creek drainage crossing type.
- F. No culverts, bridges, or major cuts and fills will be required.
- G. The access road will be dirt surface.
- H. No gates, cattleguards, or fences will be required or encountered.

New or reconstructed roads will be centerlined - flagged at time of location staking.

All travel will be confined to existing access road Right-of-Way. Access roads and surface disturbing activities will conform to standards outlined in the Bureau of Land Management and Forest Service Publication: <u>Surface Operating Standards For Oil & Gas Exploration and Development</u>, (1989).

The road shall be upgraded to meet the standards of the anticipated traffic flow and all-weather road requirements. Upgrading shall include ditching, drainage, graveling, crowning, and capping the roadbed as necessary to provide a well-constructed safe road. Prior to upgrading, the road shall be cleared of any snow cover and allowed to dry completely. Traveling off the 30 foot Right-of-Way will not be allowed.

Road drainage crossings shall be of the typical dry creek drainage crossing type. Crossings shall be designed so they will not cause siltation or accumulation of debris in the drainage crossings nor shall the drainages be blocked by the roadbed. Erosion of

drainage ditches by run off water shall be prevented by diverting water off at frequent intervals by means of cutouts. Upgrading shall not be allowed during muddy conditions. Should mud holes develop, they shall be filled in and detours around them avoided.

As operator, EOG Resources, Inc. shall be responsible for all maintenance on cattleguards, or gates associated with this oil and/or gas operation.

# 3. <u>LOCATION OF EXISTING WELLS WITHIN A ONE MILE RADIUS OF PROPOSED WELL LOCATION</u>

- A. Abandoned wells 6\*
- B. Producing wells 38\*

  (\*See attached TOPO map "C" for location)

# 4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

#### A. ON WELL PAD

- 1. Production facilities will be set on location if the well is successfully completed for production. Facilities will consist of well head valves, separator, dehy, 210 Bbl condensate tank, meter house, and attached piping.
- 2. Gas gathering lines A 4" gathering line will be buried from dehy to the edge of the location.

#### B. OFF WELL PAD

- 1. Proposed location of attendant off pad flowlines shall be flagged prior to archaeological clearance.
- 2. Protective measures and devices for livestock and wildlife will be taken and/or installed where required.

If storage facilities/tank batteries are constructed on this lease, the facility/battery or the well pad shall be surrounded by a containment dike of sufficient capacity to contain, at a minimum, the entire contents of the largest tank within the facility/battery, unless more stringent protective requirements are deemed necessary by the authorized officer.

The production facilities will be placed on the Southwest side of the location.

All permanent (on site for six months or longer) structures constructed or installed (including pumping units) will be painted a flat, non-reflective, earthtone color to match one of the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee.

All facilities required will be painted within 6 months of installation. Facilities required to comply with O.S.H.A. (Occupational Safety and Health Act) will be excluded.

The required paint color is Carlsbad Canyon.

If at any time the facilities located on public land and authorized by the terms of the lease are no longer included in the lease (due to a construction in the unit or other lease or unit boundary change), the BIA will process a change in authorization to the appropriate rental or other financial obligation as determined by the authorized officer.

#### 5. LOCATION & TYPE OF WATER SUPPLY

- A. Water supply will be from the Ouray Brine Plant at Ouray, Utah, and/or Target Trucking Inc.'s water source in the SW/SW, Sec. 35, T9S, R22E, Uintah County, Utah (State Water Right #49-1501). Produced water from the Chapita Wells and Stagecoach Units will also be used.
- B. Water will be hauled by a licensed trucking company.
- C. No water well will be drilled on lease.

#### 6. SOURCE OF CONSTRUCTION MATERIAL

- A. All construction material for this location and access road will be of native borrow and soil accumulated during the construction of the location.
- B. All construction material will come from Tribal Land.
- C. No mineral materials will be required.

# 7. METHODS OF HANDLING WASTE DISPOSAL

#### A. METHODS AND LOCATION

- 1. Cuttings will be confined in the reserve pit.
- 2. A portable toilet will be provided for human waste during the drilling and completion of the well. Disposal will be at the Vernal sewage disposal plant.
- 3. Burning will not be allowed. Trash and other waste material will be contained in a wire mesh cage and disposed of at the Uintah County landfill.
- 4. Produced wastewater will be confined to a lined pit or storage tank for a period not to exceed 90 days after initial production. After the 90 day period, the produced water will be contained in a tank on location and then disposed of at one of the following three locations: Natural Buttes Unit 21-20B SWD, Ace Disposal, or EOG Resources, Inc. drilling operations (Chapita Wells Unit, Natural Buttes Unit & Stagecoach Unit).

4

- 5. All chemicals will be disposed of at an authorized disposal site. Drip pans and absorbent pads will be used on the drilling rig to avoid leakage of oil to the pit.
- B. Water from drilling fluids and recovered during testing operations will be disposed of by either evaporating in the reserve pit or be removed and disposed of at an authorized disposal site. Introduction of well bore hydrocarbons to the reserve pit will be avoided by flaring them off in the flare pit at the time of recovery.

#### On BIA administered land:

The reserve pit will be constructed so as not to leak, break, or allow discharge. If the reserve pit requires padding prior to lining (due to rocky conditions) felt padding will be used.

The reserve pit shall be lined with a plastic liner. A felt liner will also be installed if rock is encountered during pit construction.

#### 8. ANCILLARY FACILITIES

A. No airstrips or camps are planned for this well.

#### 9. WELLSITE LAYOUT

- A. Refer to attached well site plat for related topography cuts and fills and cross sections.
- B. Refer to attached well site plat for rig layout and soil material stockpile location as approved on On-site.
- C. Refer to attached well site plat for rig orientation, parking areas, and access road.

The reserve pit will be located on the Southwest corner of the location. The flare pit will be located downwind of the prevailing wind direction on the West side of the location, a minimum of 100 feet from the well head and 30 feet from the reserve pit fence.

The stockpiled topsoil will be stored from Corner #3 to Corner A.

Access to the well pad will be from the Southeast.

Corners #2, #6, & #8 will be rounded off to minimize excavation.

#### **FENCING REQUIREMENTS:**

All pits will be fenced according to the following minimum standards:

- A. Thirty-nine inch net wire shall be used with at least one strand of barbed wire on top of the net wire. (Barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence).
- B. The net wire shall be no more than 2 inches above the ground. The barbed wire strand shall be 3 inches above the net wire. Total height of the fence shall be at least 42 inches.
- C. Corner posts shall be cemented and/or braced in such a manner as to keep the fence tight at all times.
- D. Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than 16 feet.
- E. All wire shall be stretched by using a stretching device before it is attached to the corner posts.

The reserve pit fencing will be on the three sides during drilling operations and on the fourth side when the rig moves off the location. Pits will be fenced and maintained until cleanup.

Each existing fence to be crossed by the access road shall be braced and tied off before cutting so as to prevent slacking of the wire. The opening shall be closed temporarily as necessary during construction to prevent the escape of livestock, and, upon completion of construction, the fence shall be repaired to BIA or SMA specifications. A cattleguard with an adjacent 16-foot gate shall be installed in any fence where a road is to be regularly traveled. If the well is a producer, the cattleguards (shall/shall not) be permanently mounted on concrete bases. Prior to crossing any fence located on Tribal land, or any fence between Tribal land and private land, the operator will contact the BIA, who will in turn contact the grazing permittee or owner of said fence and offer him/her the opportunity to be present when the fence is cut in order to satisfy himself/herself that the fence is adequately braced and tied off.

### 10. PLANS FOR RESTORATION OF SURFACE

#### A. PRODUCING LOCATION

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, materials, trash, and junk not required for production.

Immediately upon well completion, any hydrocarbons on the pit shall be removed in accordance with CFR 3162.7-1.

If a plastic nylon reinforced liner is used, it shall be torn and perforated before backfilling of the reserve pit.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximate natural contours. The reserve pit will be reclaimed within 12 months from the date of well completion. Before any dirt work takes place, the reserve pit will be

completely dry and all cans, barrels, pipe, fluid, and hydrocarbons, will be removed.

Contact appropriate surface management agency for required seed mixture.

#### B. <u>DRY HOLE/ABANDONED LOCATION</u>

At such time as the well is plugged and abandoned, the operator will submit a subsequent report of abandonment and the BIA will attach the appropriate surface rehabilitation conditions of approval.

#### 11. SURFACE OWNERSHIP

Access road: <u>Tribal</u> Location: <u>Tribal</u>

#### 12. OTHER INFORMATION

- A. EOG Resources, Inc. will inform all persons in the area who are associated with this project that they are subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator will immediately stop work that might further disturb such materials, and contact the AO. Within five working days the AO will inform the operator as to:
  - whether the materials appear eligible for the National Register of Historic Places;
  - the mitigation measures the operator will likely have to undertake before the site can be used.
  - a time frame for the AO to complete an expedited review under 36 CFR 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the AO are correct and that mitigation is appropriate.

If the operator wished, at any time, to relocate activities to avoid the expense of mitigation and/or the delays associated with this process, the AO will assume responsibility for whatever recordation and stabilization of the exposed materials that may be required. Otherwise, the operator will be responsible for mitigation costs.

The AO will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the AO that required mitigation has been completed, the operator will then be allowed to resume construction.

B. As operator, EOG Resources, Inc. will control noxious weeds

along Right-of-Ways for roads, pipelines, well sites, or other applicable facilities. A list of noxious weeds will be obtained from the BIA, or the appropriate County Extension Office. On BIA administered land, a Pesticide Use proposal shall be submitted, and given approval, prior to the application of herbicides or other pesticides or possible hazardous chemicals.

- C. The drilling rig and ancillary equipment will be removed from the location prior to commencement of completion operations. Completion operations will be conducted utilizing a completion/workover rig.
- D. Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on Tribal Lands after the conclusion of drilling operations or at any other time without BIA authorization. However, if BIA authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities. (The BIA does not seek to compete with private industry. There are commercial facilities available for stacking and storing drilling rigs.)

#### **Additional Surface Stipulations**

None

# LESSEE'S OR OPERATOR'S REPRESENTATIVE AND CERTIFICATION

#### PERMITTING AGENT

Ed Trotter P.O. Box 1910 Vernal, UT 84078

Telephone: (435)789-4120

Fax: (435)789-1420

# **DRILLING OPERATIONS**

Donald Presenkowski EOG Resources, Inc.

P.O. Box 250

Big Piney, WY 83113

Telephone: (307)276-4865

All lease or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approval plan of operations, and any applicable Notice to Lessees. EOG Resources, Inc. is fully responsible for the actions of their subcontractors. A copy of these conditions will be furnished to the field representative to insure compliance.

A copy of the approved APD and ROW grant, if applicable, shall be on location during construction of the location and drilling activities.

The BIA office shall be notified upon site completion prior to moving on the drilling rig.

#### Certification

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions that presently exist; that the statements made in the Plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by EOG Resources, Inc. and its contractors and subcontractors in conformity with this Plan and the terms and conditions under which it is approved.

Please be advised that EOG Resources, Inc. is considered to be the operator of the Stagecoach Unit 94-17 Well, located in the NE/SE of Section 17, T9S, R22E, Uintah County, Utah; Lease #0143459; and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond Coverage is provided under Bond #NM 2308.

Date

Agen

# EOG RESOURCES, INC. STAGECOACH UNIT #94-17 SECTION 17, T9S, R22E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 0.3 MILES ON THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 12.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN RIGHT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 1.7 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN LEFT AND **PROCEED** INSOUTHEASTERLY, A THEN EASTERLY DIRECTION APPROXIMATELY 0.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY, THEN SOUTHERLY DIRECTION APPROXIMATELY 0.4 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE WEST; TURN RIGHT AND PROCEED IN A WESTERLY DIRECTION APPROXIMATELY 0.7 MILES TO THE #54-17F AND THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 47.3 MILES.

# EOG RESOURCES, INC.

STAGECOACH UNIT #94-17

LOCATED IN UINTAH COUNTY, UTAH SECTION 17, T9S, R22E, S.L.B.&M.

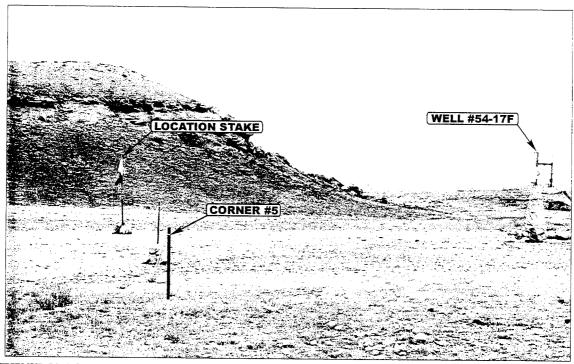


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

**CAMERA ANGLE: NORTHEASTERLY** 

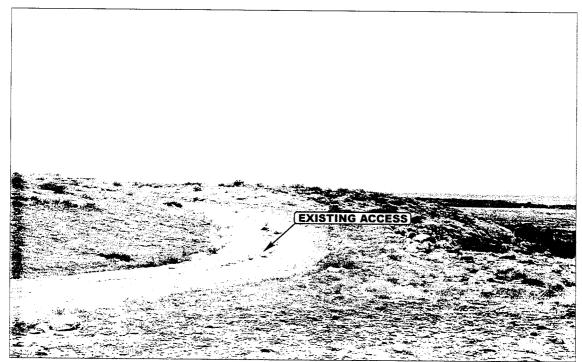


PHOTO: VIEW OF EXISTING ACCESS

CAMERA ANGLE: NORTHWESTERLY



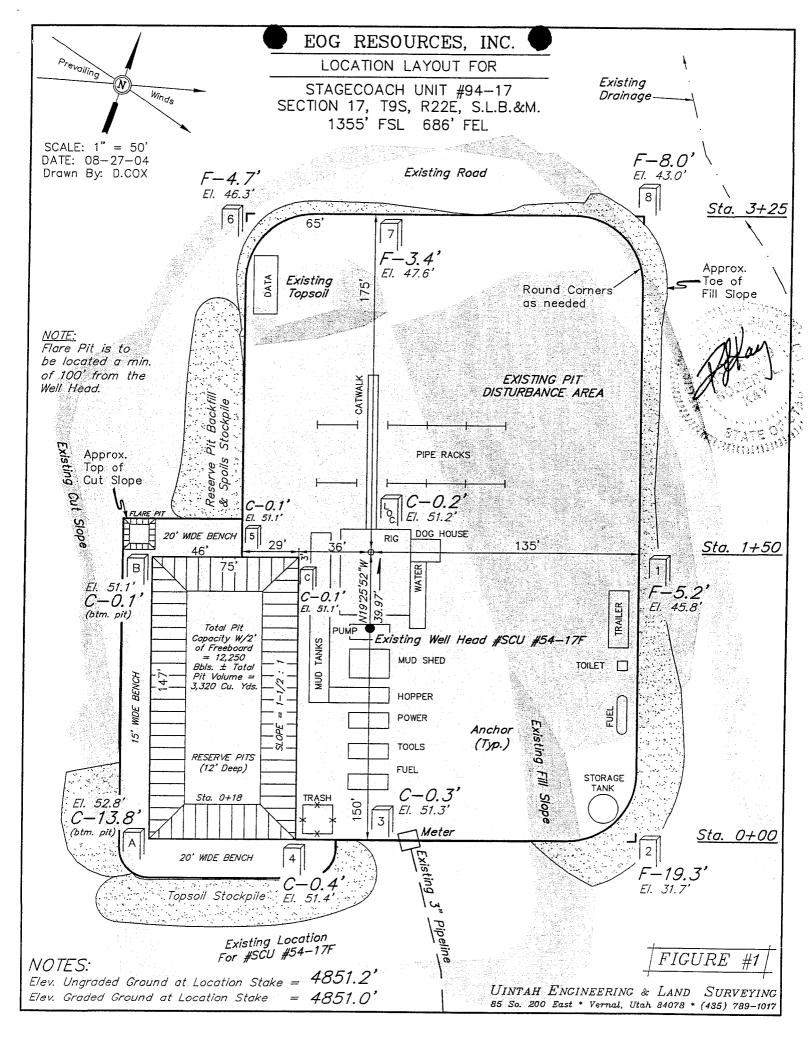
Uintah Engineering & Land Surveying 85 South 200 East Vernal, Utah 84078 435-789-1017 uels@uelsinc.com

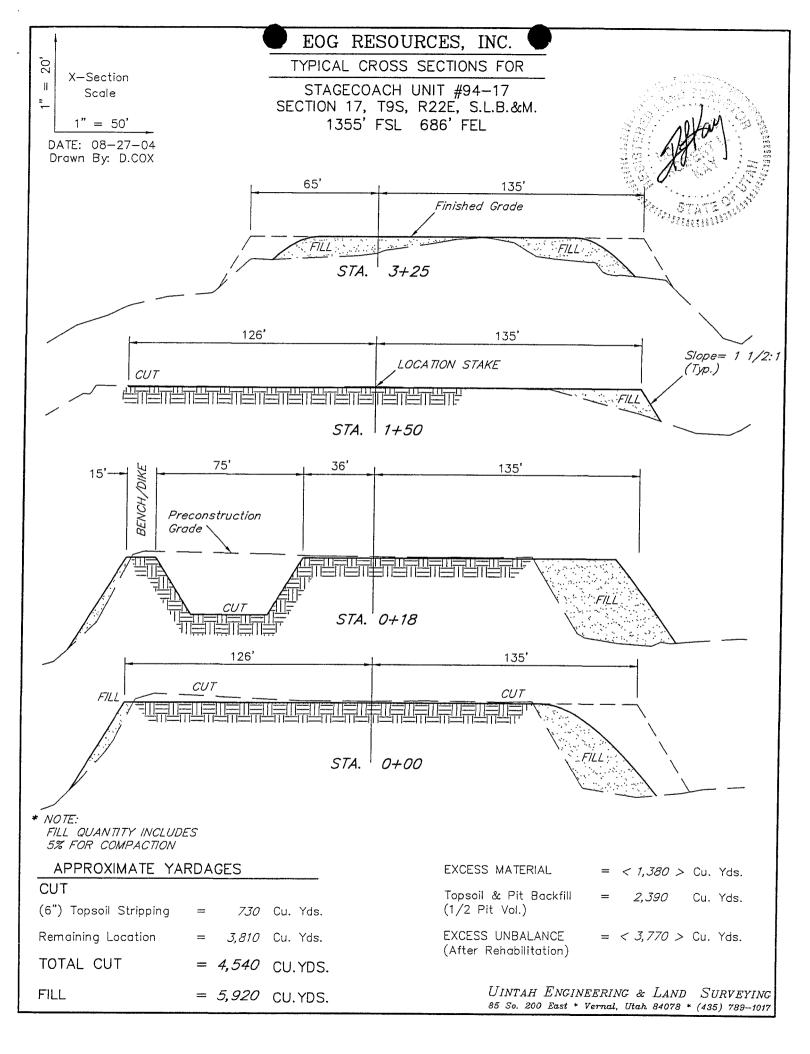
LOCATION PHOTOS

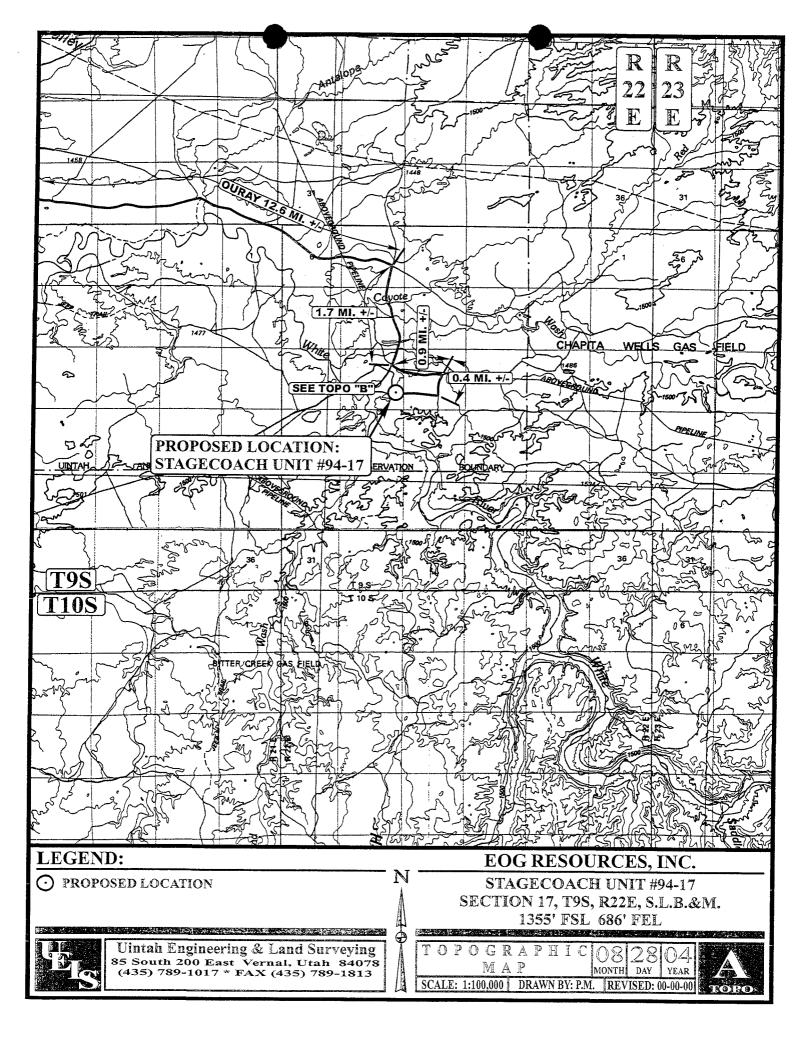
TAKEN BY: G.S. | DRAWN BY: P.N

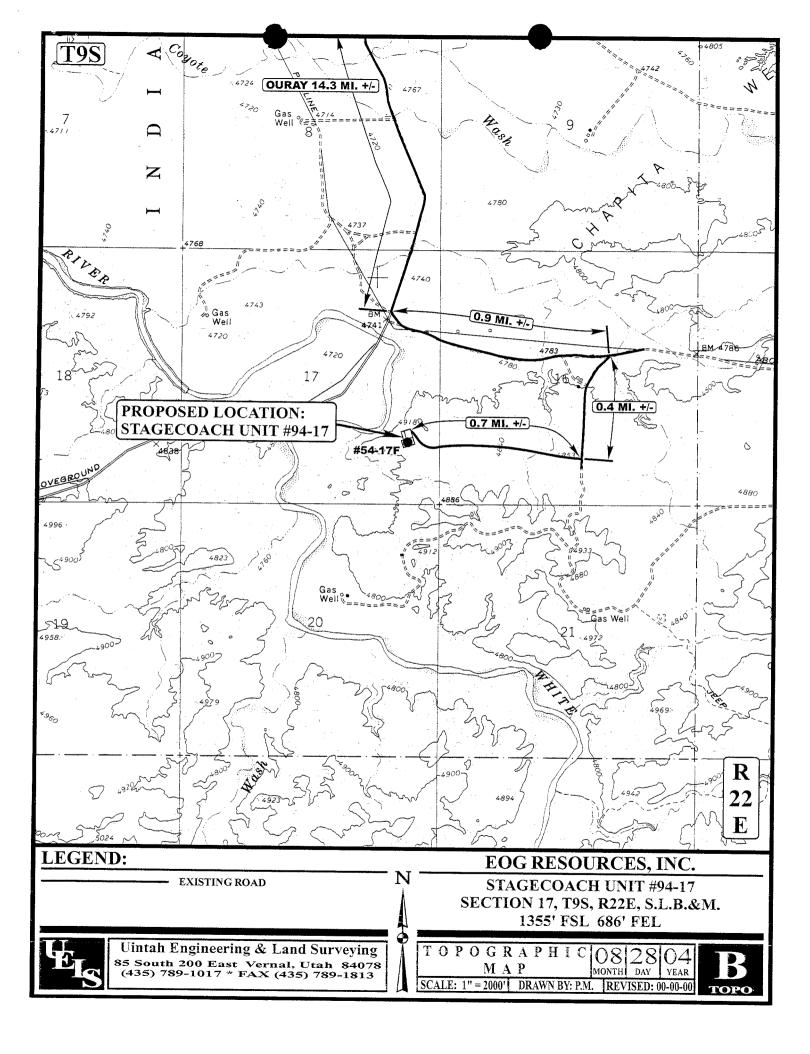
PHOTOS OS 28 04
DRAWN BY: P.M. REVISED: 00-00-00

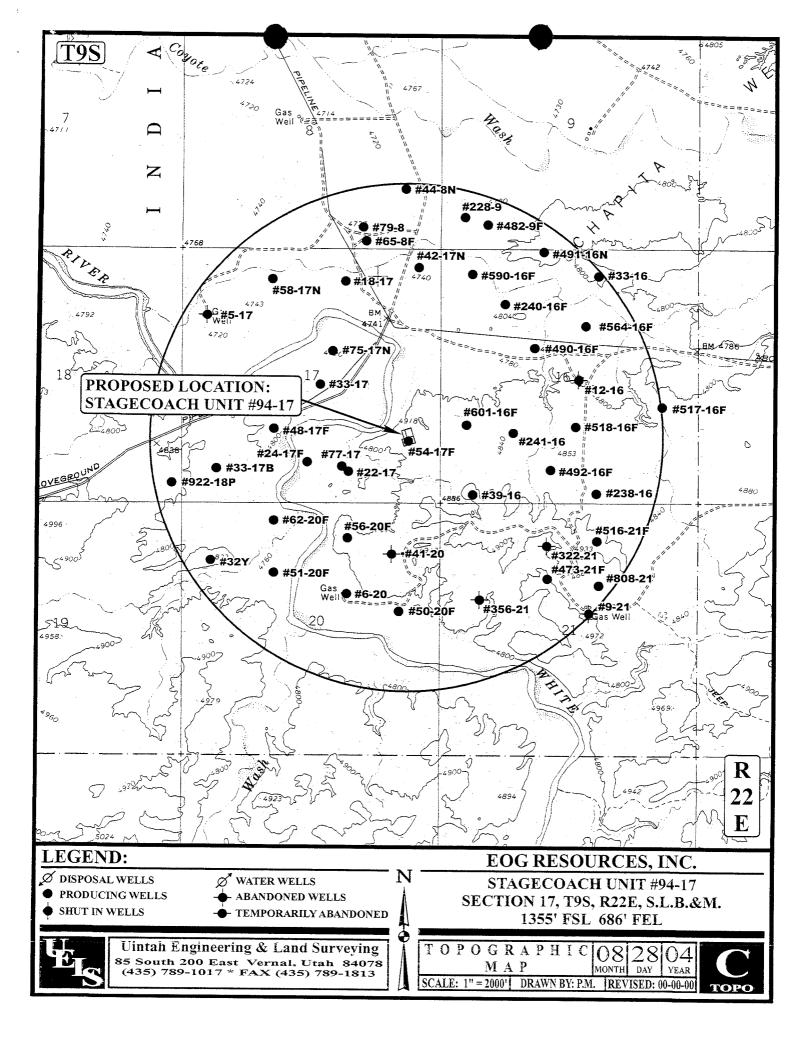
РНОТО











APD RECEIVED: 09/19/2005	API NO. ASSIGNED: 43-047-37151
WELL NAME: SCU 94-17 OPERATOR: EOG RESOURCES INC ( N9550 )	
CONTACT: ED TROTTER	PHONE NUMBER: 435-789-4120
PROPOSED LOCATION:  NESE 17 090S 220E  SURFACE: 1355 FSL 0686 FEL  BOTTOM: 1355 FSL 0686 FEL  UINTAH  NATURAL BUTTES (630 )  LEASE TYPE: 1 - Federal  LEASE NUMBER: U-0143459  SURFACE OWNER: 2 - Indian  PROPOSED FORMATION: BLKHK  COALBED METHANE WELL? NO	INSPECT LOCATN BY: / /  Tech Review Initials Date  Engineering  Geology  Surface  LATITUDE: 40.03250  LONGITUDE: -109.4561
RECEIVED AND/OR REVIEWED:  Plat Bond: Fed[1] Ind[] Sta[] Fee[] (No. NM-2308 )  Potash (Y/N)  Oil Shale 190-5 (B) or 190-3 or 190-13  Water Permit (No. 49-1501 )  RDCC Review (Y/N) (Date: )  NA Fee Surf Agreement (Y/N)  NA Intent to Commingle (Y/N)	LOCATION AND SITING:  R649-2-3.  Unit STAGECOACH  R649-3-2. General Siting: 460 From Qtr/Qtr & 920' Between Wells  R649-3-3. Exception  Drilling Unit Board Cause No: 179-8 Eff Date: 8-10-1999 Siting: Siting: Siting: Siting Si
STIPULATIONS: 1- hedered App. 2- On Six	cua()



# **United States Department of the Interior**

BUREAU OF LAND MANAGEMENT **Utah State Office** P.O. Box 45155

Salt Lake City, Utah 84145-0155

IN REPLY REFER TO: 3160 (UT-922)

September 21, 2005

Memorandum

To:

Assistant District Manager Minerals, Vernal District

From:

Michael Coulthard, Petroleum Engineer

Subject:

2005 Plan of Development Stagecoach Unit Uintah County,

Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2005 within the Stagecoach Unit, Uintah County, Utah.

API#

WELL NAME

LOCATION

(Proposed PZ Blackhawk)

43-047-37151 SCU 94-17 Sec 17 T09S R22E 1355 FSL 0686 FEL 43-047-37131 SCU 76-17 Sec 17 T09S R22E 1379 FNL 0462 FWL

This office has no objection to permitting the wells at this time.

/s/ Michael L. Coulthard

bcc:

File - Stagecoach Unit

Division of Oil Gas and Mining

**Central Files** Agr. Sec. Chron Fluid Chron



State of Utah

Department of Natural Resources

> MICHAEL R. STYLER Executive Director

Division of Oil, Gas & Mining

JOHN R. BAZA Division Director



GARY R. HERBERT Lieutenant. Governor

September 21, 2005

EOG Resources, Inc. P O Box 1815 Vernal, UT 84078

Re:

Stagecoach Unit 94-17 Well, 1355' FSL, 686' FEL, NE SE, Sec. 17, T. 9 South, R. 22 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-37151.

Sincerely,

Gil Hunt

Associate Director

pab Enclosures

cc:

**Uintah County Assessor** 

Bureau of Land Management, Vernal District Office

Operator:	EOG Resources, Inc.			
Well Name & Number	Stagecoach Unit 94-17			
API Number:	Number: 43-047-37151			
Lease:	U-0143459			
Location: <u>NE SE</u>	Sec. 17	T. <u>9 South</u>	<b>R.</b> 22 East	

#### **Conditions of Approval**

#### 1. General

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

#### 2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

• Contact Dan Jarvis at (801) 538-5338

#### 3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

- 4. In accordance with Order in Cause No. 190-5(b) dated October 28, 1982, the Operator shall comply with requirements of Rules R649-3-31 and R649-3-27 pertaining to Designated Oil Shale Areas. Additionally, the operator shall ensure that the surface and/or production casing is properly cemented over the entire oil shale interval as defined by Rule R649-3-31. The Operator shall report the actual depth the oil shale is encountered to the Division.
- 5. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

STATE OF UTAH	1 Ortivi 9			
DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING	5. LEASE DESIGNATION AND SERIAL NUMBER: U-0143459			
SUNDRY NOTICES AND REPORTS ON WELLS	IF INDIAN, ALLOTTEE OR TRIBE NAME:     Ute Indian Tribe     Unit or CA AGREEMENT NAME:			
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	Stagecoach Unit			
1. TYPE OF WELL OIL WELL GAS WELL OTHER	8. WELL NAME and NUMBER: Stagecoach Unit 94-17			
2. NAME OF OPERATOR: EOG Resources, Inc.	9. API NUMBER: 43-047-37151			
3. ADDRESS OF OPERATOR: 600 17th St., Ste 1000N CITY Denver STATE CO ZEP 80202 PHONE NUMBER: (303) 824-5526	10. FIELD AND POOL, OR WILDCAT: Natural Buttes/Mesaverde			
4. LOCATION OF WELL	COUNTY: Uintah			
FOOTAGES AT SURFACE: 1355' FSL & 686' FEL 40.032503 LAT 109.456175 LON	COUNTY: OITICALL			
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESE 17 9S 22E S	STATE: UTAH			
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPO	RT, OR OTHER DATA			
TYPE OF SUBMISSION TYPE OF ACTION				
NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will start:  CASING REPAIR  CHANGE TO PREVIOUS PLANS  DEEPEN  FRACTURE TREAT  NEW CONSTRUCTION  OPERATOR CHANGE	REPERFORATE CURRENT FORMATION  SIDETRACK TO REPAIR WELL  TEMPORARILY ABANDON  TUBING REPAIR			
CHANGE TUBING PLUG AND ABANDON  SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:  CHANGE WELL NAME PLUG BACK  CHANGE WELL STATUS PRODUCTION (START/RESUME)  COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WELL SITE  CONVERT WELL TYPE RECOMPLETE - DIFFERENT FORMATION	WATER DISPOSAL  WATER SHUT-OFF  ✓ OTHER: APD Renewal			
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  EOG Resources, Inc. requests the APD for the referenced well originally approved 9/21/2005 be extended for one year.  Approved by the				
Oil, Gas and Mining				
Date: 10-05-04  By:	Cic: 10:00.09			
NAME (PLEASE PRINT) Mary A. Maestas TITLE Regulatory Assis	stant			

(This space for State use only)

**RECEIVED** OCT 0 3 2006

10/2/2006

# Application for Permit to Drill Request for Permit Extension Validation

(this form should accompany the Sundry Notice requesting permit extension)

API: Well Name:	43-047-37151 Stagecoach Unit 94-17		
Location:		ECTION 17, T9S, R22E S.L.B.&M	
	mit Issued to: EOG RES		
	Permit Issued: 9/21/2005		
above, hereby	verifies that the informat	ghts to drill on the property as pe ion as submitted in the previousl alid and does not require revision	у
Following is a verified.	checklist of some items r	elated to the application, which s	should be
	rivate land, has the owne en updated? Yes⊡No⊡	ership changed, if so, has the sui	face
	s been drilled in the vicini siting requirements for th	ity of the proposed well which we nis location? Yes□No☑	ould affect
Has there bee	n any unit or other agreed operation of this proposed	ments put in place that could aff I well? Yes□No☑	ect the
Have there be of-way, which	en any changes to the accould affect the proposed	ccess route including ownership, d location? Yes⊡No ☑	or right-
Has the appro	oved source of water for d	lrilling changed? Yes□No☑	
Have there be which will requevaluation? Y	uire a change in plans fro	to the surface location or acces m what was discussed at the on	s route site
Is bonding stil	l in place, which covers th	nis proposed well? Yes ☑No□	
Mary (	a. Manja	10/2/2006 Date	
Signature)	·	Date	
Title: REGUL	ATORY ASSISTANT		
Representing	EOG RESOURCES, INC.		
			RECEIVED
			OCT 0 3 2006

#### STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

	5. LEASE DESIGNATION AND SERIAL NUMBER: U-0143459			
SUNDRY	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:  Ute Indian Tribe 7. UNIT of CA AGREEMENT NAME:			
Do not use this form for proposals to drill i drill horizontal l	Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.			
1. TYPE OF WELL OIL WELL	GAS WELL 🗸 OTHER_		8. WELL NAME and NUMBER: Stagecoach Unit 94-17	
2. NAME OF OPERATOR: EOG Resources, Inc.			9. API NUMBER: 43-047-37151	
ADDRESS OF OPERATOR:     1060 East Highway 40	y Vernal STATE UT ZIP	PHONE NUMBER: (435) 781-9111	10. FIELD AND POOL, OR WLDCAT: Natural Buttes/Mesaverde	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1355'	FSL & 686' FEL 40.032503 LAT	109.456175 LON	COUNTY: <b>Uintah</b>	
QTR/QTR, SECTION, TOWNSHIP, RAN	IGE, MERIDIAN: <b>NESE 17 9S 2</b>	22E S	STATE: UTAH	
<del></del>	ROPRIATE BOXES TO INDICAT		PORT, OR OTHER DATA	
	ACIDIZE  ALTER CASING  CASING REPAIR  CHANGE TO PREVIOUS PLANS  CHANGE TUBING  CHANGE WELL NAME  CHANGE WELL STATUS  COMMINGLE PRODUCING FORMATIONS  CONVERT WELL TYPE  DMPLETED OPERATIONS. Clearly show all pure to the provision of Utah Division of Conditions	well originally approved 9/21/	olumes, etc.	
OPY SENT TO OPERAL PLANTS PARTY	Oil, Gas and Important Date:  By:	TITLE Lead Regulat	ory Assistant	
SIGNATURE ALLEGA	Taul )	DATE 9/25/2007		
(This space for State use only)				

RECEIVED SEP 2 7 2007

# Application for Permit to Drill Request for Permit Extension Validation

(this form should accompany the Sundry Notice requesting permit extension)

API:	43-047-37151	
	Stagecoach Unit 94-17 1355 FSL 686 FEL (NESE), SECT mit Issued to: EOG RESOU Permit Issued: 9/21/2005	
above, hereby	verifies that the information	as submitted in the previously and does not require revision.
Following is a verified.	checklist of some items relat	ed to the application, which should be
	rivate land, has the ownersh en updated? Yes⊡No⊡	ip changed, if so, has the surface
•	s been drilled in the vicinity of siting requirements for this I	of the proposed well which would affect ocation? Yes⊡ No ☑
	n any unit or other agreemer peration of this proposed we	nts put in place that could affect the ll? Yes⊡ No⊠
	en any changes to the acces could affect the proposed lo	s route including ownership, or right- cation? Yes⊡No ☑
Has the appro	ved source of water for drillir	ng changed? Yes□No☑
	ire a change in plans from w	he surface location or access route hat was discussed at the onsite
Is bonding still	in place, which covers this p	oroposed well? Yes ☑No□
to June	Bandi	9/25/2007
-Signature \		Date
Title: <u>LEAD RI</u>	EGULATORY ASSISTANT	
Representing:	EOG RESOURCES, INC.	
		RECEIVE

	STATE OF UT DEPARTMENT OF NATURA			FORM 9	
		5. LEASE DESIGNATION AND SERIAL NUMBER: U-0143459			
SUNDR	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Ute Indian Tribe				
Do not use this form for proposals to drill	new wells, significantly deepen existing w laterals. Use APPLICATION FOR PERM	rells below current bottom-hole de	pth, reenter plugged wells, or to	7. UNIT or CA AGREEMENT NAME: Stagecoach Unit	
1. TYPE OF WELL OIL WELL		OTHER	aro.	8. WELL NAME and NUMBER: Stagecoach Unit 94-17	
2. NAME OF OPERATOR:				9. API NUMBER:	
EOG Resources, Inc.			PHONE NUMBER:	43-047-37151  10. FIELD AND POOL, OR WILDCAT:	
1060 East Highway 40	Vernal	UT 👾 84078	(435) 781-9111	Natural Buttes/Mesaverde	
4. LOCATION OF WELL  FOOTAGES AT SURFACE: 1355'  QTR/QTR, SECTION, TOWNSHIP, RAI	FSL & 686' FEL 40.032!	9S 22E S	5 LON	COUNTY: <b>Uintah</b> STATE:	
Q TOQTA, SECTION, TOWNSHID, NAI	NOL, MENDAN. INCOL.	90 ZZL 0		UTAH	
11. CHECK APP	ROPRIATE BOXES TO	NDICATE NATURE	OF NOTICE, REPO	RT, OR OTHER DATA	
TYPE OF SUBMISSION		T	YPE OF ACTION		
NOTICE OF INTENT	ACIDIZE	DEEPEN		REPERFORATE CURRENT FORMATION	
(Submit in Duplicate)	ALTER CASING	FRACTURI		SIDETRACK TO REPAIR WELL	
Approximate date work will start:	CASING REPAIR	<u> </u>	STRUCTION	TEMPORARILY ABANDON	
	CHANGE TO PREVIOUS PLAN	IS OPERATO	R CHANGE	TUBING REPAIR	
<u> </u>	CHANGE TUBING	PLUG AND	ABANDON	VENT OR FLARE	
SUBSEQUENT REPORT (Submit Original Form Only)	CHANGE WELL NAME	PLUG BAC	K	WATER DISPOSAL	
Date of work completion:	CHANGE WELL STATUS	PRODUCT	ON (START/RESUME)	WATER SHUT-OFF	
	COMMINGLE PRODUCING FO	RMATIONS RECLAMA	TION OF WELL SITE	✓ other: APD Renewal	
	CONVERT WELL TYPE	RECOMPL	ETE - DIFFERENT FORMATION		
EOG Resources, Inc. requests the APD for the referenced well originally approved 9/21/2005 be extended for one year.  Approved by the Utah Division of Oil, Gas and Mining  Date:  By:					
NAME (PLEASE DRINT) Mickenzie	Thacker		Operations Clerk		
NAME (PLEASE PRINT) IVICKETIZIE	1 Tam (104)	TIT			
SIGNATURE 11 WALLAND	r marcher.	DA	9/30/2008		
(This space for State use only)					

COPY SENT TO OPERATOR

Date: 10 1 1 2008 Initials: 45

(5/2000)

(See Instructions on Reverse Side)

**RECEIVED** OCT 0 2 2008

DIV. OF OIL, GAS & MINING

# Application for Permit to Drill Request for Permit Extension Validation

(this form should accompany the Sundry Notice requesting permit extension)

API:

43-047-37151

Well Name: Stagecoach Unit 94-17 Location: 1355 FSL 686 FEL (NESE), SECTION 17, T9S, I Company Permit Issued to: EOG RESOURCES, INC. Date Original Permit Issued: 9/21/2005	R22E S.L.B.&M			
The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.				
Following is a checklist of some items related to the application, which should be verified.				
If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes□No□				
Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes ☐ No ☑				
Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes□No☑				
Have there been any changes to the access route including ownership, or right- of-way, which could affect the proposed location? Yes□No ☑				
Has the approved source of water for drilling changed? Yes□No☑				
Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes□No☑				
ls bonding still in place, which covers this proposed well? Yes ☑ No ☐				
Michemia Machelini Signature	<u>9/30/2008</u> Date			
Title: Operations Clerk				
Representing: EOG Resources, Inc.				

RECEIVED
OCT 0 2 2008

	STATE OF UTAH		FORM 9	
DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		5.LEASE DESIGNATION AND SERIAL NUMBER: U-0143459		
SUNDRY NOTICES AND REPORTS ON WELLS		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE		
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		7.UNIT or CA AGREEMENT NAME: STAGECOACH		
1. TYPE OF WELL Gas Well		8. WELL NAME and NUMBER: SCU 94-17		
2. NAME OF OPERATOR: EOG Resources, Inc.		9. API NUMBER: 43047371510000		
3. ADDRESS OF OPERATOR: PHONE NUMBER: 1060 East Highway 40 , Vernal, UT, 84078 435 781-9111 Ext		9. FIELD and POOL or WILDCAT: NATURAL BUTTES		
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1355 FSL 0686 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 17 Township: 09.0S Range: 22.0E Meridian: S		COUNTY: UINTAH		
		STATE: UTAH		
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA				
TYPE OF SUBMISSION	TYPE OF ACTION			
✓ NOTICE OF INTENT	☐ ACIDIZE	ALTER CASING	CASING REPAIR	
Approximate date work will start: 10/9/2009	CHANGE TO PREVIOUS PLANS  CHANGE WELL STATUS	☐ CHANGE TUBING ☐ COMMINGLE PRODUCING FORMATIONS	CHANGE WELL NAME CONVERT WELL TYPE	
SUBSEQUENT REPORT	DEEPEN	FRACTURE TREAT	□ NEW CONSTRUCTION	
Date of Work Completion:	OPERATOR CHANGE	PLUG AND ABANDON	☐ PLUG BACK	
SPUD REPORT	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION	
Date of Spud:	REPERFORATE CURRENT FORMATION  TUBING REPAIR	SIDETRACK TO REPAIR WELL  VENT OR FLARE		
DRILLING REPORT	☐ WATER SHUTOFF	SI TA STATUS EXTENSION	✓ APD EXTENSION	
Report Date:	☐ WILDCAT WELL DETERMINATION	OTHER	OTHER:	
l .	respectfully requests the APD extended for one year.	for the referenced well be		
NAME (PLEASE PRINT) Mickenzie Gates	<b>PHONE NUMBER</b> 435 781-9145	TITLE Operations Clerk		
SIGNATURE N/A		<b>DATE</b> 10/9/2009		



#### The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

**Electronic Permitting System - Sundry Notices** 

### Request for Permit Extension Validation Well Number 43047371510000

**API:** 43047371510000

Well Name: SCU 94-17

Location: 1355 FSL 0686 FEL QTR NESE SEC 17 TWNP 090S RNG 220E MER S

**Company Permit Issued to:** EOG RESOURCES, INC.

**Date Original Permit Issued: 9/21/2005** 

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

ire revision. Following is a checklist of some items related to the application, which should be verified. • If located on private land, has the ownership changed, if so, has the surface agreement been updated?   Yes  No
<ul> <li>Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?</li> <li>Yes</li> <li>No</li> </ul>
• Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?  Yes No
• Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location?  Yes  No
• Has the approved source of water for drilling changed?   Yes  No
<ul> <li>Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?</li> <li>Yes</li> <li>No</li> </ul>
• Is bonding still in place, which covers this proposed well?

**Signature:** Mickenzie Gates **Date:** 10/9/2009

**Title:** Operations Clerk **Representing:** EOG RESOURCES, INC.

**Date:** October 12, 2009

Oil, Gas and Mining

Bv:

	STATE OF UTAH		FORM 9
	DIVISION OF OIL, GAS, AND MI		5.LEASE DESIGNATION AND SERIAL NUMBER: U-0143459
	RY NOTICES AND REPORTS		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE
Do not use this form for propo bottom-hole depth, reenter plu DRILL form for such proposals	sals to drill new wells, significantly deeper ugged wells, or to drill horizontal laterals.	n existing wells below current Use APPLICATION FOR PERMIT TO	7.UNIT or CA AGREEMENT NAME: STAGECOACH
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: SCU 94-17
2. NAME OF OPERATOR: EOG Resources, Inc.			9. API NUMBER: 43047371510000
3. ADDRESS OF OPERATOR: 1060 East Highway 40 , Verna		DNE NUMBER: 111 Ext	9. FIELD and POOL or WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1355 FSL 0686 FEL	TO DANCE MEDIDIAN.		COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSHI Qtr/Qtr: NESE Section: 17	Township: 09.0S Range: 22.0E Meridian:	S	STATE: UTAH
CHE	CK APPROPRIATE BOXES TO INDICA	TE NATURE OF NOTICE, REPORT	, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
NOTICE OF INTENT Approximate date work will start: 8/26/2010	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME
SUBSEQUENT REPORT	☐ CHANGE WELL STATUS ☐ DEEPEN	☐ COMMINGLE PRODUCING FORMATIONS☐ FRACTURE TREAT	☐ CONVERT WELL TYPE ☐ NEW CONSTRUCTION
Date of Work Completion:	OPERATOR CHANGE	PLUG AND ABANDON	☐ PLUG BACK
SPUD REPORT	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON
	U TUBING REPAIR  WATER SHUTOFF		WATER DISPOSAL  ✓ APD EXTENSION
DRILLING REPORT Report Date:			
	WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:
	ompleted operations. Clearly show all per respectfully requests the API extended for one year	O for the referenced well b	
		E	By: Lacy III
NAME (PLEASE PRINT) Michelle Robles	<b>PHONE NUMBER</b> 307 276-4842	Regulatory Assistant	
SIGNATURE N/A		<b>DATE</b> 8/26/2010	



#### The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

**Electronic Permitting System - Sundry Notices** 

#### Request for Permit Extension Validation Well Number 43047371510000

**API:** 43047371510000

Well Name: SCU 94-17

Location: 1355 FSL 0686 FEL QTR NESE SEC 17 TWNP 090S RNG 220E MER S

**Company Permit Issued to:** EOG RESOURCES, INC.

**Date Original Permit Issued: 9/21/2005** 

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

• If located on private land, has the ownership changed, if so, has the surface agreement been updated?   Yes  No
<ul> <li>Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?</li> <li>Yes</li> <li>No</li> </ul>
• Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?  Yes No
<ul> <li>Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location?</li> <li>Yes </li> <li>No</li> </ul>
• Has the approved source of water for drilling changed?   Yes  No
<ul> <li>Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?</li> <li>Yes</li> <li>No</li> </ul>
• Is bonding still in place, which covers this proposed well?   • Yes   Oil, Gas and Mining

**Signature:** Michelle Robles **Date:** 8/26/2010

Title: Regulatory Assistant Representing: EOG RESOURCES, INC.

**Date:** August 31, 2010

Bv:

# RECEIVED

Form 3160-3 (August 2007)

SEP 1 6 2005

FORM APPROVED OMB No. 1004-0137 Expires July 31, 2010

Unleased

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

#### 5. Lease Serial No. UTU-0148459

APPLICATION FOR PERMIT TO	DRILL O	R REENTER		6. If Indian, Allotee or UTE INDIAN TRIBE	Tribe Name	
la. Type of work:  DRILL  REEN	7 If Unit or CA Agreen					
lb. Type of Well: Oil Well  Gas Well Other	<b>√</b> Si	ngle Zone Multi	iple Zone	8. Lease Name and We		
Name of Operator EOG Resources, Inc.	لمجنعا			9. API Well No.		
				43-047-3	37151	
3a. Address 1060 East Highway 40, Vernal UT 84078	1	). (include area code)		10. Field and Pool, or Ex	oloratory	
	435-781-9			NATURAL BUTTES		
4. Location of Well (Report location clearly and in accordance with				11. Sec., T. R. M. or Blk.	and Survey or Area	
At surface 1355' FSL 686' FEL (NESE) 40.032503 LAT	T, 109.456175	LON		SEC 17, T9S, R22E,	S.L.B.&M.	
At proposed prod. zone SAME						
14. Distance in miles and direction from nearest town or post office* 47.3 MILES FROM VERNAL				12. County or Parish UINTAH	13. State UT	
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)	16. No. of a 280	acres in lease	17. Spacin	g Unit dedicated to this wel	1	
18. Distance from proposed location* 1530'	19. Propose	19. Proposed Depth 20. BLM/I		BIA Bond No. on file		
to nearest well, drilling, completed, applied for, on this lease, ft.	10660'		NM2308	3		
21. Elevations (Show whether DF, KDB, RT, GL, etc.) GL 4851'	22. Approxim	mate date work will sta	urt*	23. Estimated duration 45 DAYS		
	24. Attac	chments		. <del>L</del>		
The following, completed in accordance with the requirements of Onsh	ore Oil and Gas	Order No.1, must be a	ttached to thi	is form:		
Well plat certified by a registered surveyor.     A Drilling Plan.		4. Bond to cover t Item 20 above).	he operation	ns unless covered by an ex	isting bond on file (see	
3. A Surface Use Plan (if the location is on National Forest Syster SUPO must be filed with the appropriate Forest Service Office).	n Lands, the	5. Operator certific 6. Such other site BLM.		ormation and/or plans as ma	ay be required by the	
25. Signature	Name	(Printed/Typed)		Da	ite	
to much al	Kayle	ne Gardner		0	8/29/2005	
Regulatory Administrator						
Approved Signature) . Hatch	Name	(Printed/Typed) H	ater	Di	ite 10/21/201	
Acting Assistant Field Manager	Office	VERNA	AL FIEL	D OFFICE	, ,	
Lands & Mineral Resources Application approval does not warrant or certify that the applicant holonduct operations thereon.	ds legal or equi	table title to those righ	ts in the sub	ject lease which would entit	le the applicant to	

**NOTICE OF APPROVAL** 

\*(Instructions on page 2)

NOV 0 1 2010

DIV. OF CIL, GAS & MINERIA



(Continued on page 2)

09BM091BA



# UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT VERNAL FIELD OFFICE

**VERNAL, UT 84078** 

(435) 781-4400



#### CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company: Well No:

EOG Resources, Inc.

170 South 500 East

Stagecoach Unit 94-17

API No: 43-047-37151

Location:

NESE, Sec. 17, T9S, R22E

Lease No: Unleased

Agreement:

Stagecoach Unit

**OFFICE NUMBER:** 

(435) 781-4400

OFFICE FAX NUMBER:

(435) 781-3420

# A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR FIELD REPRESENTATIVE TO INSURE COMPLIANCE

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.

#### **NOTIFICATION REQUIREMENTS**

Location Construction (Notify Environmental Scientist)	_	Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify Environmental Scientist)	-	Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	_	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	_	Twenty-Four (24) hours prior to running casing and cementing all casing strings to: ut vn opreport@blm.gov.
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)		Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

Page 2 of 7 Well: Stagecoach Unit 94-17

10/20/2010

#### SURFACE USE PROGRAM CONDITIONS OF APPROVAL (COAs)

- All new and replacement internal combustion gas field engines of less than or equal to 300 designrated horsepower must not emit more than 2 gms of NO<sub>x</sub> per horsepower-hour. This requirement does not apply to gas field engines of less than or equal to 40 design-rated horsepower.
- All and replacement internal combustion gas field engines of greater than 300 design rated horsepower must not emit more than 1.0 gms of NO<sub>x</sub> per horsepower-hour.
- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop
  work and contact the Authorized Officer (AO). A determination will be made by the AO as to what
  mitigation may be necessary for the discovered paleontologic material before construction can
  continue.

#### Additional Stipulations:

None

#### General Conditions of Approval:

- A <u>30'</u> foot corridor right-of-way shall be approved. Upon completion of each pipeline in corridor, they shall be identified and filed with the Ute Tribe.
- A qualified Archaeologist accompanied by a Tribal Technician will monitor trenching construction of pipeline.
- The Ute Tribe Energy & Minerals Department is to be notified, in writing 48 hours prior to construction of pipeline.
- Construction Notice shall be given to the department on the Ute Tribe workdays, which are Monday through Thursday. The Company understands that they may be responsible for costs incurred by the Ute Tribe after hours.
- The Company shall inform contractors to maintain construction of pipelines within the approved ROW's.
- The Company shall assure the Ute Tribe that "ALL CONTRACTORS, INCLUDING SUB-CONTRACTORS, LEASING CONTRACTORS, AND ETC." have acquired a current and valid Ute Tribal Business License and have "Access Permits" prior to construction, and will have these permits in all vehicles at all times.
- You are hereby notified that working under the "umbrella" of a company does not allow you to be in the field, and can be subject to those fines of the Ute Tribe Severance Tax Ordinance.
- Any deviation of submitted APD's and ROW applications the Companies will notify the Ute Tribe and BIA in writing and will receive written authorization of any such change with appropriate authorization.

Page 3 of 7 Well: Stagecoach Unit 94-17

10/20/2010

 The Company will implement "Safety and Emergency Plan." The Company's safety director will ensure its compliance.

- All Company employees and/or authorized personnel (sub-contractors) in the field will have approved applicable APD's and/or ROW permits/authorizations on their person(s) during all phases of construction.
- All vehicular traffic, personnel movement, construction/restoration operations shall be confined to the area examined and approved, and to the existing roadways and/or evaluated access routes.
- All personnel shall refrain from collecting artifacts, any paleontological fossils, and from disturbing any significant cultural resources in the area.
- The personnel from the Ute Tribe Energy & Minerals Department shall be notified should cultural remains from subsurface deposits be exposed or identified during construction. All construction will cease.
- All mitigative stipulations contained in the Bureau of Indian Affairs Site Specific Environmental Assessment (EA) will be strictly adhered.
- Upon completion of Application for Corridor Right-Way, the company will notify the Ute Tribe Energy & Minerals Department, so that a Tribal Technician can verify Affidavit of Completion.

Page 4 of 7 Well: Stagecoach Unit 94-17

10/20/2010

## DOWNHOLE PROGRAM CONDITIONS OF APPROVAL (COAs)

#### SITE SPECIFIC DOWNHOLE COAs:

- Surface casing cement shall be brought to surface.
   For surface casing cement program, to reach surface with Top of Cement, operator will pump additional cement.
- The operator's proposed intermediate casing of 7.000" 23.0 # J-55 LT&C (straight string) does 'not' meet the regulatory standards for a collapse design coefficient greater than 1.125. Operator's intermediate casing is to be upgraded in weight.
- The operator's variance requests stated in Drilling Plan, Section 7 titled Variance Requests are approved.
- Electronic/mechanical mud monitoring equipment shall be required, from surface casing shoe to TD, which shall include as a minimum: pit volume totalizer (PVT); stroke counter; and flow sensor.

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

#### DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily
  drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order
  No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a
  test pump with a chart recorder and <u>NOT</u> by the rig pumps. Test shall be reported in the driller's
  log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.

Page 5 of 7 Well: Stagecoach Unit 94-17 10/20/2010

Cement baskets shall not be run on surface casing.

The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is
encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal
Field Office.

- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM,
   Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- Please submit an electronic copy of all other logs run on this well in LAS format to UT\_VN\_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

Page 6 of 7 Well: Stagecoach Unit 94-17

10/20/2010

#### **OPERATING REQUIREMENT REMINDERS:**

 All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.

- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be
  notified when it is placed in a producing status. Such notification will be by written communication
  and must be received in this office by not later than the fifth business day following the date on
  which the well is placed on production. The notification shall provide, as a minimum, the following
  informational items:
  - o Operator name, address, and telephone number.
  - Well name and number.
  - Well location (¼¼, Sec., Twn, Rng, and P.M.).
  - Date well was placed in a producing status (date of first production for which royalty will be paid).
  - o The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
  - o The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
  - Unit agreement and/or participating area name and number, if applicable.
  - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be
  reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported
  verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will
  be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of
  Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1.
   Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4.

Page 7 of 7 Well: Stagecoach Unit 94-17 10/20/2010

Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office
  Petroleum Engineers will be provided with a date and time for the initial meter calibration and all
  future meter proving schedules. A copy of the meter calibration reports shall be submitted to the
  BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid
  hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall
  be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering
  lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a
  suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be
  obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover
  equipment shall be removed from a well to be placed in a suspended status without prior approval
  of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior
  approval of the BLM Vernal Field Office shall be obtained and notification given before resumption
  of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office
  Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in
  order that a representative may witness plugging operations. If a well is suspended or abandoned,
  all pits must be fenced immediately until they are backfilled. The "Subsequent Report of
  Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of
  the well bore, showing location of plugs, amount of cement in each, and amount of casing left in
  hole, and the current status of the surface restoration.

## DIVISION OF OIL, GAS AND MINING

### **SPUDDING INFORMATION**

Name of Cor	mpany:	EOG RESO	URCES II	NC		
Well Name	•	SCU 94-17			-	
Api No:	43-047-37	151	Lease T	ype FED	ERAL	
Section 17	Township_	09S Ran	ge 22E	County_	UINT	'AH
Drilling Cor	ntractor <u>CR</u>	AIG'S ROUS	STABOUT	SERV R	NG#	BUCKET
SPUDDE	D:					
	Date	12/16/2010				
	Time	8:00 AM				
	How	DRY				
Drilling wi	II Commen	ce:				
Reported by		KENT D	<u> AVENPO</u>	ORT		
Telephone #		(435) 82	28-8200			
Date	12/16/2010	Signed	CHD			

	STATE OF UTAH	) CEC		FORM 9
	DEPARTMENT OF NATURAL RESOUR DIVISION OF OIL, GAS, AND M		G	5.LEASE DESIGNATION AND SERIAL NUMBER: U-0143459
	RY NOTICES AND REPORT			6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE
	sals to drill new wells, significantly deepo gged wells, or to drill horizontal laterals			7.UNIT or CA AGREEMENT NAME: STAGECOACH
1. TYPE OF WELL Gas Well				8. WELL NAME and NUMBER: SCU 94-17
2. NAME OF OPERATOR: EOG Resources, Inc.				9. API NUMBER: 43047371510000
3. ADDRESS OF OPERATOR: 1060 East Highway 40 , Verna			UMBER: ixt	9. FIELD and POOL or WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1355 FSL 0686 FEL				COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSHI Qtr/Qtr: NESE Section: 17	<b>P, RANGE, MERIDIAN:</b> Township: 09.0S Range: 22.0E Meridian	: S		STATE: UTAH
11. CHE	CK APPROPRIATE BOXES TO INDIC	ATE N	ATURE OF NOTICE, REPORT,	OR OTHER DATA
TYPE OF SUBMISSION			TYPE OF ACTION	
	☐ ACIDIZE		ALTER CASING	☐ CASING REPAIR
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	PRODUCTION START OR RESUME	_	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
SPUD REPORT Date of Spud:	REPERFORATE CURRENT FORMATION	_	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON
12/16/2010	UBING REPAIR		VENT OR FLARE	☐ WATER DISPOSAL
DRILLING REPORT Report Date:	☐ WATER SHUTOFF		SI TA STATUS EXTENSION	APD EXTENSION
	☐ WILDCAT WELL DETERMINATION		OTHER	OTHER:
	MPLETED OPERATIONS. Clearly show all p			olumes, etc.
EOG Resources,	Inc. spud the referenced we	ll on	•	accepted by the
				Accepted by the Utah Division of
				l, Gas and Mining
			FOR	RECORDONLY
NAME (PLEASE PRINT) Michelle Robles	<b>PHONE NUMBE</b> 307 276-4842	R	TITLE Regulatory Assistant	
SIGNATURE N/A			<b>DATE</b> 12/20/2010	

	STATE OF UTAH	) CEC		FORM 9
	DEPARTMENT OF NATURAL RESOUR DIVISION OF OIL, GAS, AND M		G	<b>5.LEASE DESIGNATION AND SERIAL NUMBER:</b> U-0143459
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✓ SUBSEQUENT REPORT	☐ CHANGE WELL STATUS	_	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE
Date of Work Completion:	☐ DEEPEN	_	FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ PRODUCTION START OR RESUME	_	PLUG AND ABANDON RECLAMATION OF WELL SITE	☐ PLUG BACK☐ RECOMPLETE DIFFERENT FORMATION
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	U TUBING REPAIR	_	VENT OR FLARE	WATER DISPOSAL
DRILLING REPORT Report Date:	WATER SHUTOFF		SI TA STATUS EXTENSION	APD EXTENSION
Report Date.	☐ WILDCAT WELL DETERMINATION		OTHER	OTHER: Drilling Operations
12. DESCRIBE PROPOSED OR CO	MPLETED OPERATIONS. Clearly show all p	pertinen	t details including dates, depths, v	volumes, etc.
	has occurred since spud on I		mber 16, 2010.	
				Accepted by the
				Utah Division of I, Gas and Mining
				R RECORDONLY
			гог	NECD/BUZ WINLI
NAME (PLEASE PRINT) Michelle Robles	<b>PHONE NUMBE</b> 307 276-4842	R	TITLE Regulatory Assistant	
SIGNATURE N/A			<b>DATE</b> 12/20/2010	

	STATE OF UTAH		FORM 9
	DEPARTMENT OF NATURAL RESOURCE DIVISION OF OIL, GAS, AND MIN		5.LEASE DESIGNATION AND SERIAL NUMBER: U-0143459
	RY NOTICES AND REPORTS		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE
	sals to drill new wells, significantly deepen gged wells, or to drill horizontal laterals. Us		7.UNIT or CA AGREEMENT NAME: STAGECOACH
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: SCU 94-17
2. NAME OF OPERATOR: EOG Resources, Inc.			<b>9. API NUMBER:</b> 43047371510000
3. ADDRESS OF OPERATOR: 1060 East Highway 40 , Verna		NE NUMBER: 1 Ext	9. FIELD and POOL or WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1355 FSL 0686 FEL			COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSHI Qtr/Qtr: NESE Section: 17	IP, RANGE, MERIDIAN: Township: 09.0S Range: 22.0E Meridian: S		STATE: UTAH
11. CHE	CK APPROPRIATE BOXES TO INDICAT	E NATURE OF NOTICE, REPORT,	OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
✓ NOTICE OF INTENT	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
Approximate date work will start: 12/16/2010	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME
_	☐ CHANGE WELL STATUS ☐ DEEPEN	☐ COMMINGLE PRODUCING FORMATIONS ☐ FRACTURE TREAT	☐ CONVERT WELL TYPE ☐ NEW CONSTRUCTION
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN     OPERATOR CHANGE	PLUG AND ABANDON	☐ PLUG BACK
	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
SPUD REPORT Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	<b>✓</b> WATER DISPOSAL
☐ DRILLING REPORT	☐ WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION
Report Date:	☐ WILDCAT WELL DETERMINATION	OTHER	OTHER:
EOG Resources, Inc produced water a 550-30N SWD 1,2,3,4,5,6&7 5. Wh	MPLETED OPERATIONS. Clearly show all pertons. respectfully requests authorithe following locations: 1. NE 3. CWU 2-29 SWD 4. Red Was lite River Evaporation Ponds 18 D Wells ROW# UTU86010 & UT	ization for the disposal of BU 20-20B SWD 2. CWU ASH Evaporation Ponds (B2 6. RNI Disposal 7. Hogy	Accepted by the Itah Division of
NAME (PLEASE PRINT) Michelle Robles	<b>PHONE NUMBER</b> 307 276-4842	TITLE Regulatory Assistant	
SIGNATURE N/A		<b>DATE</b> 12/20/2010	

#### STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

### **ENTITY ACTION FORM**

Operator:

EOG Resources, Inc.

Operator Account Number: N 9550

Address:

1060 East Highway 40

city Vernal

state UT zip 84078

Phone Number: (307) 276-4842

Well 1

API Number	Well	QQ	Sec	Twp	Rng	County			
43-047-37151	STAGECOACH 94-1	STAGECOACH 94-17		STAGECOACH 94-17 NESE				22E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date 12/16/2010		Entity Assignment Effective Date				
	99999	13702			12/	12/29/10			

BLKHK = MURD = MUMCS

Well 2

Well Name		QQ Sec Twp		Rng County		
Current Entity Number	New Entity Number	s	pud Dai	te	Entid Ef	y Assignment fective Date
	Current Entity	Current Entity New Entity	Current Entity New Entity S	Current Entity New Entity Spud Dat	Current Entity New Entity Spud Date	Current Entity New Entity Spud Date Entit

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County		
Action Code	I AM E	New Entity Number	s	Spud Date			Entity Assignment Effective Date		
omments:			<u> </u>						

#### **ACTION CODES:**

- A Establish new entity for new well (single well only)
- B Add new well to existing entity (group or unit well)
- Re-assign well from one existing entity to another existing entity
- Re-assign well from one existing entity to a new entity
- E Other (Explain in 'comments' section)

RECEIVED

Regulatory Assistant Title

Michelle Robles

Name (Please Print)

12/20/2010 Date

(5/2000)

DEC 2 0 2010

	STATE OF UTAH	0050			FORM 9
	DEPARTMENT OF NATURAL RESOUR DIVISION OF OIL, GAS, AND M		G	<b>5.LEASE DESIGNATI</b> U-0143459	ON AND SERIAL NUMBER:
	RY NOTICES AND REPORT			<b>6. IF INDIAN, ALLO</b> UTE	TTEE OR TRIBE NAME:
	sals to drill new wells, significantly deepe ugged wells, or to drill horizontal laterals. ·			7.UNIT or CA AGREE STAGECOACH	EMENT NAME:
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4. LOCATION OF WELL FOOTAGES AT SURFACE: 1355 FSL 0686 FEL				COUNTY: UINTAH	
QTR/QTR, SECTION, TOWNSHI Qtr/Qtr: NESE Section: 17	IP, RANGE, MERIDIAN: Township: 09.0S Range: 22.0E Meridian	: S		STATE: UTAH	
CHE	CK APPROPRIATE BOXES TO INDICA	ATE N	ATURE OF NOTICE, REPORT,	OR OTHER DATA	
TYPE OF SUBMISSION			TYPE OF ACTION		
	☐ ACIDIZE		ALTER CASING	☐ CASING REPA	IR
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	_	CHANGE TUBING	CHANGE WELL	
SUBSEQUENT REPORT	CHANGE WELL STATUS	_	COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WEI	
Date of Work Completion:	☐ DEEPEN☐ OPERATOR CHANGE		PLUG AND ABANDON	□ NEW CONSTRI	UCTION
	PRODUCTION START OR RESUME		RECLAMATION OF WELL SITE	_	DIFFERENT FORMATION
SPUD REPORT Date of Spud:	REPERFORATE CURRENT FORMATION	_	SIDETRACK TO REPAIR WELL	TEMPORARY A	
	☐ TUBING REPAIR		VENT OR FLARE	☐ WATER DISPO	OSAL
✓ DRILLING REPORT Report Date:	☐ WATER SHUTOFF		SI TA STATUS EXTENSION	APD EXTENSI	ON
1/4/2011	☐ WILDCAT WELL DETERMINATION		OTHER	OTHER:	
l .	ompleted operations. Clearly show all ped well chronology report for all activity up to 1/4/1	r the	referenced well showing	g Accepted by Jtah Divisior I, Gas and M	n of
NAME (PLEASE PRINT) Michelle Robles	<b>PHONE NUMBE</b> 307 276-4842	R	TITLE Regulatory Assistant		
SIGNATURE N/A			<b>DATE</b> 1/4/2011		

#### WELL CHRONOLOGY REPORT

Report Generated On: 01-04-2011

Well Name	STAGECOACH 094-17	Well Type	DEVG	Division	DENVER
Field	NATURAL BUTTES	API#	43-047-37151	Well Class	DRIL
County, State	UINTAH, UT	Spud Date		Class Date	
Tax Credit	N	TVD / MD	10,660/ 10,660	Property #	054598
Water Depth	0	Last CSG	9.625	Shoe TVD / MD	2,399/ 2,399
KB / GL Elev	4,867/4,851				
Location	Section 17, T9S, R22E, NESE	E, 1355 FSL & 686 FE	L		

DRILL & COMPLETE **Event No** 1.0 Description EOG RESOURCES, INC WI % 78.378 NRI % 67.759 Operator AFE No 302733 **AFE Total** 1,713,300 DHC / CWC 717,700/995,600 TRUE TRUE #34 Rig Contr Rig Name **Start Date** 09-21-2005 **Release Date** 09-21-2005 ED TROTTER Reported By \$0 \$0 DailyCosts: Drilling Completion \$0 **Daily Total Cum Costs: Drilling** \$0 Completion \$0 **Well Total** \$0 0 0.0 0.0 0 0 0 MWMD **TVD Progress** Days Visc **PBTD**: 0.0 PKR Depth: 0.0 Formation: Perf:

Activity at Report Time: LOCATION DATA

Start End Hrs Activity Description 06:00 06:00 24.0 LOCATION DATA

1355' FSL & 686' FEL (NE/SE) SECTION 17, T9S, R22E UINTAH COUNTY, UTAH

LAT40 DEG 01' 57.01", LONG 109 DEG 27' 22.23" (NAD 27)

TRUE #34

OBJECTIVE: 10,660' TD, MESAVERDE

DW/GAS

STAGECOACH UNIT PROSPECT DD&A: CHAPITA WELL DEEP NATURAL BUTTE FIELD

LEASE: UTU-0143459

ELEVATION 4851.2' NAT GL, 4851.0' PREP GL, (DUE TO ROUNDING THE PREP GL WILL BE 4851') 4870' KB  $(19^{\circ})$ 

EOG WI 78.37835%, NRI 67.759091%

12–16–2010 Reported By TERRY CSERE

**Daily Costs: Drilling** \$75,000 **Completion** \$0 **Daily Total** \$75,000

	ng \$75,0	00	Com	pletion	\$0		Well	l Total	\$75,000	
<b>MD</b> 0	TVD	0	Progress	0	Days	0	MW	0.0	Visc	0.0
Formation :		<b>PBTD</b> : 0	0.0		Perf:			PKR De	<b>pth:</b> 0.0	
Activity at Report	Time: BUILD I	LOCATION								
Start End	Hrs Act	tivity Desc	cription							
06:00 06:00	24.0 BE	GAN CONS	STRUCTION OF	LOCATIO	ON 12/16/10.					
12-17-2010	Reported By	T	ERRY CSERE/K	IT HATFII	ELD					
DailyCosts: Drillin	<b>ng</b> \$0		Com	pletion	\$0		Dail	y Total	\$0	
Cum Costs: Drillin	ng \$75,0	00	Com	pletion	\$0		Well	l Total	\$75,000	
<b>MD</b> 60	TVD	60	Progress	0	Days	0	MW	0.0	Visc	0.0
Formation :		<b>PBTD</b> : 0	0.0		Perf:			PKR De	<b>pth</b> : 0.0	
Activity at Report	Time: BUILD I	LOCATION	SPUD NOTIFIC	ATION						
Start End	Hrs Ac	tivity Desc	cription							
06:00 06:00	OF		OSED LOOP SY UCTOR. CEMEN :56 AM.							
2-20-2010	Reported By	T	ERRY CSERE							
DailyCosts: Drillin	<b>ng</b> \$0		Com	pletion	\$0		Dail	y Total	\$0	
Cum Costs: Drillin	ng \$75,0	00	Com	pletion	\$0		Well	l Total	\$75,000	
<b>MD</b> 60	TVD	60	Progress	0	Days	0	MW	0.0	Visc	0.0
Formation :		<b>PBTD</b> : 0	0.0		Perf:			PKR De	<b>pth:</b> 0.0	
Activity at Report	Time: BUILD I	LOCATION								
Start End	Hrs Act	tivity Desc	cription							
		=	COMPLETE.							
06:00 06:00	, 21.0 20									
	Reported By	Tì	ERRY CSERE							
12-22-2010	Reported By	T		pletion	\$0		Dail	y Total	\$0	
2–22–2010 DailyCosts: Drillin	Reported By		Com	-	\$0 \$0		· ·	y Total l Total	\$0 \$75,000	
2–22–2010  DailyCosts: Drillin  Cum Costs: Drillin	Reported By ng \$0 ng \$75,00	00	Com Com	pletion	\$0	0	Well	-	\$75,000	0.0
2-22-2010 DailyCosts: Drillin Cum Costs: Drillin MD 60	Reported By	00 60	Com Com Progress	-	\$0 Days	0	· ·	1 <b>Total</b> 0.0	\$75,000 <b>Visc</b>	0.0
DailyCosts: Drillin Cum Costs: Drillin MD 60 Formation :	Reported By ng \$0 ng \$75,00 TVD	60 <b>PBTD:</b> 0	Com Com Progress	pletion	\$0	0	Well	l Total	\$75,000 <b>Visc</b>	0.0
DailyCosts: Drillin Cum Costs: Drillin MD 60 Formation: Activity at Report	Reported By  ng \$0  ng \$75,00  TVD  Time: BUILD L	60 <b>PBTD:</b> 0  COCATION	Com Com Progress	pletion	\$0 Days	0	Well	1 <b>Total</b> 0.0	\$75,000 <b>Visc</b>	0.0
DailyCosts: Drillin Cum Costs: Drillin MD 60 Formation: Activity at Report	Reported By ng \$0 ng \$75,00 TVD  Time: BUILD L Hrs Act	60  PBTD: 0  COCATION  tivity Desc	Com Com Progress 0.0	apletion 0	\$0  Days  Perf:		Well	1 <b>Total</b> 0.0	\$75,000 <b>Visc</b>	0.0
DailyCosts: Drillin Cum Costs: Drillin MD 60 Formation : Activity at Report Start End 06:00 06:00	Reported By ng \$0 ng \$75,00 TVD  Time: BUILD L Hrs Act	60  PBTD: 0  LOCATION  tivity Desc	Com Com Progress  0.0  cription COMPLETE. C.	apletion 0	\$0  Days  Perf:		Well	1 <b>Total</b> 0.0	\$75,000 <b>Visc</b>	0.0
Daily Costs: Drillin Cum Costs: Drillin MD 60 Formation: Activity at Report Start End 06:00 06:00	Reported By ng \$0 ng \$75,00 TVD  Time: BUILD L Hrs Act 0 24.0 LOO  Reported By	60  PBTD: 0  LOCATION  tivity Desc	Com Com Progress 0.0  cription COMPLETE. C. ERRY CSERE	opletion  0  LOSED LO	\$0  Days  Perf:		Well	0.0 PKR De	\$75,000 Vise pth: 0.0	0.0
DailyCosts: Drillin Cum Costs: Drillin MD 60 Formation: Activity at Report Start End 06:00 06:00 12-23-2010 DailyCosts: Drillin	Reported By ng \$0 ng \$75,00 TVD  Time: BUILD L Hrs Act 0 24.0 LOC Reported By ng \$0	60 PBTD: 0 COCATION tivity Desc	Com Com Progress  0.0  cription COMPLETE. Com ERRY CSERE Com	apletion  0  LOSED LO	\$0  Days  Perf:  DOOP 50% COM		Well MW Dail	0.0 PKR De	\$75,000 Visc pth: 0.0	0.0
2–22–2010 DailyCosts: Drillin Cum Costs: Drillin MD 60 Formation: Activity at Report Start End 06:00 06:00 2–23–2010 DailyCosts: Drillin Cum Costs: Drillin	Reported By	60 PBTD: 0 LOCATION tivity Desc CATION IS TI	Com Com Progress  0.0  Cription COMPLETE. C. ERRY CSERE Com Com	apletion  0  LOSED LO  apletion  apletion	\$0  Days  Perf:  DOP 50% COM  \$0  \$0	MPLETE.	Well MW Dail Well	9.0 PKR De	\$75,000 Visc pth: 0.0  \$0 \$75,000	
DailyCosts: Drillin Cum Costs: Drillin MD 60 Formation: Activity at Report Start End 06:00 06:00 12-23-2010 DailyCosts: Drillin Cum Costs: Drillin MD 60	Reported By ng \$0 ng \$75,00 TVD  Time: BUILD L Hrs Act 0 24.0 LOC Reported By ng \$0	60  PBTD: 0  COCATION IS  CATION IS  TI  00  60	Com Com Progress  0.0  Cription  COMPLETE. C.  ERRY CSERE  Com Com Progress	apletion  0  LOSED LO	\$0  Days  Perf:  DOOP 50% COM  \$0  \$0  Days		Well MW Dail	y Total  0.0  PKR De	\$75,000 Visc pth: 0.0  \$0 \$75,000 Visc	
Daily Costs: Drillin Cum Costs: Drillin MD 60 Formation: Activity at Report Start End 06:00 06:00 12-23-2010 Daily Costs: Drillin Cum Costs: Drillin MD 60 Formation:	Reported By ng \$0 ng \$75,00 TVD  Time: BUILD L Hrs Act 0 24.0 LOO Reported By ng \$0 ng \$75,00 TVD	60  PBTD: 0  COCATION STORY  OO  60  PBTD: 0	Com Com Progress  0.0  Cription  COMPLETE. C.  ERRY CSERE  Com Com Progress	apletion  0  LOSED LO  apletion  apletion	\$0  Days  Perf:  DOP 50% COM  \$0  \$0	MPLETE.	Well MW Dail Well	9.0 PKR De	\$75,000 Visc pth: 0.0  \$0 \$75,000 Visc	
DailyCosts: Drillin Cum Costs: Drillin MD 60 Formation: Activity at Report Start End 06:00 06:00 12-23-2010 DailyCosts: Drillin Cum Costs: Drillin	Reported By ng \$0 ng \$75,00 TVD  Time: BUILD L Hrs Acc 24.0 LOO Reported By ng \$0 ng \$75,00 TVD	60 PBTD: 0 COCATION IS TO  60 PBTD: 0 COCATION	Com Com Progress  0.0  Cription  COMPLETE. C.  ERRY CSERE  Com Com Progress  0.0	apletion  0  LOSED LO  apletion  apletion	\$0  Days  Perf:  DOOP 50% COM  \$0  \$0  Days	MPLETE.	Well MW Dail Well	y Total  0.0  PKR De	\$75,000 Visc pth: 0.0  \$0 \$75,000 Visc	
Daily Costs: Drillin Cum Costs: Drillin MD 60 Formation: Activity at Report Start End 06:00 06:00 12-23-2010 Daily Costs: Drillin Cum Costs: Drillin MD 60 Formation:	Reported By ng \$0 ng \$75,00 TVD  Time: BUILD L Hrs Act 0 24.0 LO0 Reported By ng \$0 ng \$75,00 TVD  Time: BUILD L Hrs Act	60  PBTD: 0  COCATION STORY  OO  60  PBTD: 0	Com Com Progress 0.0  Complete Com Com Com Progress 0.0	apletion  0  LOSED LO  apletion  apletion	\$0  Days  Perf:  DOOP 50% COM  \$0  \$0  Days	MPLETE.	Well MW Dail Well	y Total  0.0  PKR De	\$75,000 Visc pth: 0.0  \$0 \$75,000 Visc	0.0

DailyCosts:	Drilling	\$193	3,990	Com	pletion	\$0		Daily	Total	\$193,990	
<b>Cum Costs:</b>	Drilling	\$268	8,990	Com	pletion	\$0		Well 7	<b>Fotal</b>	\$268,990	
MD	2,410	TVD	2,410	Progress	0	Days	0	MW	0.0	Visc	0.0
Formation :	•		<b>PBTD</b> : 0	.0		Perf:			PKR Der	oth: 0.0	

**Activity at Report Time: WORT** 

#### Start End Hrs Activity Description

06:00 06:00

24.0 MIRU CRAIG'S AIR RIG #2 ON 12/18/2010. DRILLED 12–1/4" HOLE TO 2391' GL (2410' KB). ENCOUNTERED NO WATER. DRILLED WITH AIR AND FOAM TO 2030' THEN PUMP DRILLED TO TD WITH FULL RETURNS. RAN 55 JTS (2380.51') OF 9–5/8", 36.0#, J–55, ST&C CASING WITH HALLIBURTON GUIDE SHOE AND FLOAT COLLAR. 8 CENTRALIZERS SPACED MIDDLE OF SHOE JOINT AND EVERY COLLAR TILL GONE. LANDED @ 2399.51' KB. RAN 200' OF 1" PIPE DOWN BACK SIDE. RDMO CRAIG'S AIR RIG #2.

MIRU HALLIBURTON CEMENTERS. HELD SAFETY MEETING. PRESSURE TESTED LINES AND CEMENT VALVE TO 2000 PSIG. PUMPED 180 BBLS FRESH WATER & 20 BBLS GELLED WATER FLUSH AHEAD OF CEMENT. LEAD: MIXED AND PUMPED 250 SACKS (183 BBLS) OF PREMIUM LEAD CEMENT WITH 0.3% VERSASET, 2% CAL—SEAL, AND 2% ECONOLITE. MIXED LEAD CEMENT @ 10.5 PPG WITH YIELD OF 4.1 CF/SX. TAIL: MIXED AND PUMPED 300 SACKS (64 BBLS) OF PREMIUM CEMENT WITH 2% CACL2 MIXED TAIL CEMENT @ 15.6 PPG WITH YIELD OF 1.2 CF/SX. DISPLACED CEMENT WITH 181 BBLS FRESH WATER. BUMPED PLUG WITH 1000# @ 17:02 PM ON 12/23/10. FLOAT HELD. SHUT—IN CASING VALVE. BROKE CIRCULATION 103 BBLS INTO FRESH WATER FLUSH, LOST RETURNS 92 BBLS INTO DISPLACEMENT, REGAIN RETURNS 148 INTO DISPLACEMENT. NO CEMENT TO SURFACE. WOC 2 HR.

TOP JOB #1: PUMP DOWN 200' OF 1' PIPE. MIXED & PUMPED 125 SX (26 BBLS) OF PREMIUM CEMENT WITH 2% CACL2. MIXED CEMENT @ 15.8 PPG WITH YIELD OF 1.17 CF/SX. HOLE FILLED AND STOOD FULL.

PREPARED LOCATION FOR ROTARY RIG. WORT. WILL DROP FROM REPORT UNTIL FURTHER ACTIVITY.

CRAIG'S RIG #2 TOOK SURVEYS WHILE DRILLING HOLE @ 1520' = 1.50 DEGREE, 2000' = 2.00 DEGREE, AND 2391' = 2.50 DEGREE.

KERRY SALES NOTIFIED BLM VIA EMAIL OF THE SURFACE CASING & CEMENT JOB ON 12/19/10 @ 12:30 PM. KERRY SALES NOTIFIED CAROL DANIELS WITH UDOGM OF THE SURFACE CASING & CEMENT JOB VIA PHONE ON 12/19/10 @ 12:30 PM. KERRY SALES NOTIFIED LEE ALLEN BLACKHAIR WITH UTE INDIAN AFFAIRS OF THE SURFACE CASING & CEMENT JOB VIA PHONE ON 12/19/10 @ 12:30 PM.

01-04-2011	Re	eported By	PA	AT CLARK							
DailyCosts:	Drilling	\$11,4	90	Com	pletion	\$0		Daily	Total	\$11,490	
<b>Cum Costs:</b>	Drilling	\$280.	480	Com	pletion	\$0		Well	<b>Fotal</b>	\$280,480	
MD	2,410	TVD	2,410	Progress	0	Days	0	MW	0.0	Visc	0.0
Formation:			<b>PBTD</b> : 0	0.0		Perf:			PKR Dei	oth: 0.0	

**Activity at Report Time: MIRT** 

Start	End	Hrs	Activity Description
06:00	06:00	24.0	HSM W/L&S TRUCKING, TRUE RIG CREW, MT WEST. EOG SAFETY REP MIKE MCDONALD PRESENT. START MOVING RIG 16 MILES TO NEW WELL. RIG 30% MOVED. ETA FOR RIG ACCEPTANCE – 1–5–2011.
			$TRANSFER\ 7\ JTS\ (40.47', 38.17', 40.85', 40.81', 40.85', 40.11', 40.49' - 281.75'\ TOTAL)\ 4\ 1/2",\ 11.6\#,\ N-80,\ LTC\ CSG\ FROM\ HOSS\ 79-27.$
			TRANSFER 1 MJ 4 1/2", 11.6#, P-110, LTC (11.07') FROM HOSS 79-27.
			TRANSFER 1482 GALS FUEL @ \$3.43/GAL FROM HOSS 79–27.

	STATE OF UTAH		FORM 9
	DEPARTMENT OF NATURAL RESOURCE DIVISION OF OIL, GAS, AND MIN		5.LEASE DESIGNATION AND SERIAL NUMBER: U-0143459
SUND	RY NOTICES AND REPORTS	ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE
	sals to drill new wells, significantly deepen ugged wells, or to drill horizontal laterals. U		7.UNIT or CA AGREEMENT NAME: STAGECOACH
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: SCU 94-17
2. NAME OF OPERATOR: EOG Resources, Inc.			9. API NUMBER: 43047371510000
3. ADDRESS OF OPERATOR: 1060 East Highway 40 , Verna		NE NUMBER: 11 Ext	9. FIELD and POOL or WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1355 FSL 0686 FEL QTR/QTR, SECTION, TOWNSHI	IP. RANGE. MERIDIAN:		COUNTY: UINTAH
	Township: 09.0S Range: 22.0E Meridian: S		STATE: UTAH
11. CHE	CK APPROPRIATE BOXES TO INDICAT	E NATURE OF NOTICE, REPORT,	OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
NOTICE OF INTENT Approximate date work will start:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	☐ NEW CONSTRUCTION
	OPERATOR CHANGE	PLUG AND ABANDON	☐ PLUG BACK
☐ SPUD REPORT	☐ PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
Date of Spud:	☐ REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
✓ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	APD EXTENSION
2/4/2011	☐ WILDCAT WELL DETERMINATION	OTHER	OTHER:
Waiting on complet	ion operations, please see the referenced well, showing all ac	attached well chronology tivity up to 2/4/2011.   Column 1	
NAME (PLEASE PRINT) Mickenzie Gates	<b>PHONE NUMBER</b> 435 781-9145	TITLE Operations Clerk	
SIGNATURE		DATE	
N/A		2/4/2011	

DailyCosts:	Drilling	\$19	6,670	Con	npletion	\$0		Daily	Total	\$196,670	
<b>Cum Costs:</b>	Drilling	\$27	1,670	Con	npletion	\$0		Well	<b>Fotal</b>	\$271,670	
MD	2,410	TVD	2,410	Progress	0	Days	0	MW	0.0	Visc	0.0
Formation :	!		<b>PBTD</b> : 0	.0		Perf :			PKR Der	th: 0.0	

**Activity at Report Time: WORT** 

Start	End	Hrs	<b>Activity Description</b>
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06:00 06:00 24.0 MIRU CRAIG'S AIR RIG #2 ON 12/18/2010. DRILLED 12-1/4" HOLE TO 2391' GL (2410' KB). ENCOUNTERED NO WATER. DRILLED WITH AIR AND FOAM TO 2030' THEN PUMP DRILLED TO TD WITH FULL RETURNS. RAN 55 JTS (2380.51') OF 9-5/8", 36.0#, J-55, ST&C CASING WITH HALLIBURTON GUIDE SHOE AND FLOAT COLLAR. 8 CENTRALIZERS SPACED MIDDLE OF SHOE JOINT AND EVERY COLLAR TILL GONE. LANDED @ 2399.51' KB. RAN 200' OF 1" PIPE DOWN BACK SIDE. RDMO CRAIG'S AIR RIG #2.

MIRU HALLIBURTON CEMENTERS. HELD SAFETY MEETING. PRESSURE TESTED LINES AND CEMENT VALVE TO 2000 PSIG. PUMPED 180 BBLS FRESH WATER & 20 BBLS GELLED WATER FLUSH AHEAD OF CEMENT. LEAD: MIXED AND PUMPED 250 SACKS (183 BBLS) OF PREMIUM LEAD CEMENT WITH 0.3% VERSASET, 2% CAL-SEAL, AND 2% ECONOLITE. MIXED LEAD CEMENT @ 10.5 PPG WITH YIELD OF 4.1 CF/SX. TAIL: MIXED AND PUMPED 300 SACKS (64 BBLS) OF PREMIUM CEMENT WITH 2% CACL2 MIXED TAIL CEMENT @ 15.6 PPG WITH YIELD OF 1.2 CF/SX. DISPLACED CEMENT WITH 181 BBLS FRESH WATER. BUMPED PLUG WITH 1000# @ 17:02 PM ON 12/23/10. FLOAT HELD. SHUT-IN CASING VALVE. BROKE CIRCULATION 103 BBLS INTO FRESH WATER FLUSH, LOST RETURNS 92 BBLS INTO DISPLACEMENT, REGAIN RETURNS 148 INTO DISPLACEMENT. NO CEMENT TO SURFACE. WOC 2 HR.

TOP JOB #1: PUMP DOWN 200' OF 1' PIPE. MIXED & PUMPED 125 SX (26 BBLS) OF PREMIUM CEMENT WITH 2% CACL2. MIXED CEMENT @ 15.8 PPG WITH YIELD OF 1.17 CF/SX. HOLE FILLED AND STOOD FULL.

PREPARED LOCATION FOR ROTARY RIG. WORT. WILL DROP FROM REPORT UNTIL FURTHER ACTIVITY.

CRAIG'S RIG #2 TOOK SURVEYS WHILE DRILLING HOLE @ 1520' = 1.50 DEGREE, 2000' = 2.00 DEGREE, AND 2391' = 2.50 DEGREE.

KERRY SALES NOTIFIED BLM VIA EMAIL OF THE SURFACE CASING & CEMENT JOB ON 12/19/10 @ 12:30 PM. KERRY SALES NOTIFIED CAROL DANIELS WITH UDOGM OF THE SURFACE CASING & CEMENT JOB VIA PHONE ON 12/19/10 @ 12:30 PM. KERRY SALES NOTIFIED LEE ALLEN BLACKHAIR WITH UTE INDIAN AFFAIRS OF THE SURFACE CASING & CEMENT JOB VIA PHONE ON 12/19/10 @ 12:30 PM.

01-04-2011	Re	eported By	PA	T CLARK							
DailyCosts: D	rilling	\$11,4	90	Con	pletion	\$0		Daily	Total	\$11,490	
Cum Costs: D	rilling	\$283,	160	Con	pletion	\$0		Well '	Total	\$283,160	
MD	2,410	TVD	2,410	Progress	0	Days	0	MW	0.0	Visc	0.0
Formation:			<b>PBTD</b> : 0.	0		Perf:			PKR Dep	<b>pth:</b> 0.0	

**Activity at Report Time: MIRT** 

Start	End	Hrs	<b>Activity Description</b>

24.0 HSM W/L&S TRUCKING, TRUE RIG CREW, MT WEST. EOG SAFETY REP MIKE MCDONALD PRESENT. START 06:00 06:00

MOVING RIG 16 MILES TO NEW WELL. RIG 30% MOVED. ETA FOR RIG ACCEPTANCE - 1-5-2011.

TRANSFER 7 JTS (40.47', 38.17', 40.85', 40.81', 40.85', 40.11', 40.49' - 281.75' TOTAL) 4 1/2", 11.6#, N-80, LTC CSG FROM HOSS 79-27.

TRANSFER 1 MJ 4 1/2", 11.6#, P-110, LTC (11.07') FROM HOSS 79-27.

TRANSFER 1482 GALS FUEL @ \$3.43/GAL FROM HOSS 79-27.

01-05-2011 Reported By PAT CLARK

DailyCosts: Drilling \$40,691 \$0 **Daily Total** \$40,691 Completion \$323,851 **Cum Costs: Drilling** \$323,851 \$0 Well Total Completion 0.0 0.0 2,410 0 0 MWMD **TVD** 2,410 **Progress** Days Visc **PBTD**: 0.0 PKR Depth: 0.0 Formation: Perf: Activity at Report Time: RURT Start End Hrs **Activity Description** 06:00 06:00 24.0 FINISH MIRU. RAISED DERRICK @ 15:00. RELEASE CRANE @ 1600, TRUCKS @ 1800. FULL CREWS, NO ACCIDENTS. SAFETY MEETINGS - RIG MOVE, FIRING BOILER. FUEL - 8778, DEL - 8000, USED - 704. ETA DAYWORK - 06:00 1-5-11. 01-06-2011 Reported By PAT CLARK \$122,216 \$0 **Daily Total** \$122,216 DailyCosts: Drilling Completion **Cum Costs: Drilling** \$446,067 Completion \$0 Well Total \$446,067 3,310 3,310 **TVD** 910 MW 9.6 31.0 MD **Progress** Davs Visc **Formation: PBTD**: 0.0 Perf: PKR Depth: 0.0 Activity at Report Time: DRILLING @ 33103 Start End Hrs **Activity Description** 06:00 4.0 HSM WITH B & C QUICK TEST AND RIG CREW. VISUALLY INSPECTED ANNULAR PREVENTER. RU AND 10:00 TEST PIPE RAMS, BLIND RAMS, HCR, CHOKE LINES, MANIFOLD, KILL LINE VALVES, UPPER & LOWER KELLY & INSIDE BOP 5000 PSI HIGH, 10 MINUTES. TEST ANNULAR PREVENTER 250/2500 PSI FOR 10 MINUTES. PERFORM ACCUMULATOR FUNCTION TEST. TEST CASING TO 1500 PSI FOR 30 MINUTES. ALL TESTS GOOD. R/D B & C. RIG ON DAYWORK @ 06:00. TEST WITNESSED BY ALAN WALKER OF VERNAL BLM. BLM, UDOGM, UTE INDIAN TRIBE NOTIFIED ON 12-31-2010 @ 16:00. 10:00 3.5 HSM WITH WEATHERFORD TRS AND RIG CREW. SET WEAR BUSHING. R/U TRS. PU BHA & TOOLS. TAG 13:30 CEMENT @ 2340'. R/D TRS. 13:30 17:30 4.0 DRILL CEMENT, FLOAT EQUIPMENT, 10' FORMATION TO 2410'. PERFORM FIT TEST W/9.5 PPG MUD TO 376 PSI FOR 12.5 EMW. 17:30 18:00 0.5 RIG SERVICE, CHECK COM. 2.0 DRILL 2410' - 2506'. WOB 15K, RPM 50/73, SPP 1450 PSI, DP 300 PSI, ROP 48 FPH. 18:00 20:00 20:00 20:30 0.5 SURVEY @ 2431' - 2.1 DEG. 20:30 06:00 9.5 DRILL 2506' -3310'. WOB 20K, RPM 60/73, SPP 1950 PSI, DP 350 PSI, ROP 85 FPH. FULL CREWS, NO ACCIDENTS, BOP DRILL BOTH TOURS. SAFETY MEETINGS - TEST BOP, P/U BHA, KICKER SAND.

SAFETY MEETINGS – TEST BOP, P/U BHA, KICKER SAND CURRENT MW – 9.5 PPG, VIS – 32 SPQ, NO LOSSES. FUEL – 7410, USED – 1368. FORMATION – MAHOGANY OIL SHALE.

PAT CLARK

06:00 SPUD 8 3/4" HOLE AT 18:00 HRS, 1–5–2011.

Reported By

01-07-2011

**Daily Costs: Drilling** \$30,107 **Completion** \$0 **Daily Total** \$30,107

Cum Cost	ts: Drilling	\$476,174	Cor	npletion	\$0		Well	Total	\$476,174	
MD	5,444	<b>TVD</b> 5,4	Progress	2,134	Days	2	MW	9.65	Visc	34.0
Formation	n:	PBT	<b>D</b> : 0.0		Perf:			PKR Dep	oth: 0.0	
Activity a	t Report Tiı	ne: DRILLING @	5444'							
Start	End	Hrs Activity	Description							
06:00	09:30	3.5 DRILL 33	10' – 3693'. WOB 1	5–20K, RPI	M 50-60/73,	SPP 1950 PS	I, DP 350 PS	I, ROP 109 FI	PH.	
09:30	10:00	0.5 SURVEY	@ 3768' – 2.13 DEC	G. RIG SER	VICE. CHEC	K COM.				
10:00	21:30	11.5 DRILL 36	93' – 4786'. SAME	PARAMET	ERS, ROP 95	FPH.				
21:30	22:00	0.5 SURVEY	@ 4711' – 2.53 DEC	<b>3</b> .						
22:00	06:00	8.0 DRILL 47	86' – 5444'. WOB –	15–21K, R	PM 55/73, SI	PP 2200 PSI,	DP 350 PSI,	ROP 82 FPH.		
		FULL CR	EWS, NO ACCIDEN	JTS.						
			MEETINGS – RULI		GULATIONS	S, FUELING	HEATER, B	OP DRILL BO	OTH TOURS.	
			472, USED – 1938.							
		CURREN	T MW – 9.9 PPG, V	IS – 34 SPQ	<b>)</b> .					
		WASATC	Н @ 4911'.							
01-08-20	11 Re	ported By	PAT CLARK							
DailyCost	s: Drilling	\$29,027	Con	npletion	\$0		Daily	Total	\$29,027	
Cum Cost	ts: Drilling	\$505,201	Cor	mpletion	\$0		Well	Total	\$505,201	
MD	6,734	<b>TVD</b> 6,7	734 <b>Progress</b>	1,290	Days	3	MW	10.1	Visc	35.0
Formation	n:	PBT	<b>D</b> : 0.0		Perf:			PKR Dep	oth: 0.0	
Activity a	t Report Tiı	ne: DRILLING @	5734'							
Start	End	Hrs Activity	Description							
06:00	16:00	10.0 DRILL 54	44' – 6067'. WOB 1	5–22K, RPI	M 50-65/73,	SPP 2300 PS	I, DP 300 PS	I, ROP 62 FPI	H.	
		LOST AP	PROX 350 BBLS DE	RILLING M	UD.					
		CHAPITA	WELLS @ 5553'.							
16:00	16:30	0.5 RIG SERV	ICE. CHECK COM							
16:30	06:00	13.5 DRILL 60	67' – 6734'. SAME	PARAMET	ERS, ROP 49	FPH.				
		FULL CR	EWS, NO ACCIDEN	NTS.						
		BUCK CA	ANYON @ 6218'.							
		SAFETY	MEETINGS – CLEA	ANING SUI	B, MIXING C	CHEMICALS				
		FUEL – 3	192, USED – 2280(5	0/50 BLEN	D).					
		MW - 10	7 PPG, VIS – 34 SPG	Q, NO LOS	SES OVERN	IGHT.				
01-09-20	11 Re	ported By	PAT CLARK							
DailyCost	ts: Drilling	\$54,369	Cor	mpletion	\$0		Daily	Total	\$54,369	
Cum Cost	ts: Drilling	\$559,570	Con	mpletion	\$0		Well	Total	\$559,570	
MD	7,160	<b>TVD</b> 7,	Progress	426	Days	4	MW	10.8	Visc	39.0
Formation	n:	PBT	<b>D</b> : 0.0		Perf:			PKR Dep	oth: 0.0	
Activity a	t Report Tiı	ne: DRILLING @	7160'							
Start	End	Hrs Activity	Description							
06:00	15:00	9.0 DRILL 67	34' – 6974'. WOB 2	0–24K, RPI	M 45-60/67,	SPP 2300 PS	I, DP 300 PS	I, ROP 27 FPI	Н.	
		NORTH I	IORN @ 6825'.							

		FULL CREW	CE RIVER @ 91: 'S, NO ACCIDEN ETINGS – GAS	NTS. BOP D						
		I OHIED DDI								
15:00	06:00	15.0 DRILL 8626'	– 9185'. WOB 1	8–22K, RPI	M 45-60/71, SI	PP 2550 PS	I, DP 300 PS	I, ROP 37 FPI	Н.	
14:30	15:00	0.5 RIG SERVIC								
00.00	17.50		– 8020 . WOB 1 ICE RIVER @ 83		·. ¬5 -00//1, 51	273013	, 1 30013	i, ioi 50 ltl		
06:00	14:30	Hrs Activity De  8.5 DRILL 8205	=	5_22K RPM	M 45_60/71 SI	OP 2450 DS1	I DB 300 Bd	I ROD 50 EDI	4	
Start	End									
		ne: DRILLING @ 918			1011.			I ISK DEL	, o.u	
MD Formation		PBTD:	. 6	700	Days Perf :	U	MW	PKR Dep		40.0
	9,185	<b>TVD</b> 9,185		980		6		11.0	Visc	40.0
-	s: Drilling	\$617,431		mpletion	\$6,523		•	Total	\$623,954	
DailyCost		\$28,708		mpletion	\$6,523		Deile	y Total	\$35,231	
01-11-20	11 Pa		PAT CLARK		,					
			, USED – 2508(5 MW – 11.1 PPG, V							
		SAFETY ME	ETINGS – FIRS	T DAY BAC	CK, SAFE DRI	VING. BOP	P DRILL MC	RNING TOU	R.	
		FULL CREW	S, NO ACCIDEN	NTS.						
		KMV PRICE	RIVER @ 7530'							
14:30	06:00	15.5 DRILL 7526'			300 PSI, ALL O	THER PAI	RAMETERS	SAME.		
14:00	14:00	0.5 RIG SERVIC			vi 50-00//1, SI	. 1 2300 F3	i, DI 300 PS	1, KOI 40 FPI	1.	
<b>Start</b> 06:00	End 14:00	Hrs Activity De  8.0 DRILL 7160'	=	5_22 סער 5_	M 50_ 60/71 SI	DD 2200 DG	I DD 300 De	I BUD 44 EDI	4	
-	_	ne: DRILLING @ 820								
Formation		PBTD:			Perf:			PKR Dep	otn: 0.0	
MD Formation		TVD 8,205	. 6	1,045	Days	5	MW		Visc	30.0
	8,205			_		5		11.2		36.0
DailyCost	s: Drilling	\$588,723		mpletion mpletion	\$0 \$0		-	Total	\$588,723	
		\$29,152		mpletion	\$0		Doils	y Total	\$29,152	
01-10-20	11 Re		PAT CLARK	2,2001 00	5525 011 110					
			PG, VIS – 38 SP							
			ETINGS – TRIP 2, DEL – 8000, US			<b>)</b> )				
			S, NO ACCIDEN			HTS.				
23:00	06:00	7.0 DRILL 6974'	– 7160'. WOB 1	0–20K, RPI	M 55/71, SPP 2	300 PSI, D	P 300 PSI, R	OP 27 FPH.		
22:30	23:00	0.5 WASH AND	REAM 55' TO B	ОТТОМ.						
20:00	22:30	2.5 P/U 7 7/8" BI	T, TIH.							
16:00	20:00	4.0 TOH. L/D 8 3	8/4" REAMERS,	BIT. RETRI	EVE SURVEY	– 2.63 DE	G.			
15:00	16:00	1.0 CIRCULATE	E. SET COM FO			JORVEI	, i civii i il	L.		

#### CURENT MW – 11.4 PPG, VIS – 40 SPQ. NO SIGNIFICANT LOSSES.

01 12 201	1 D.			– 11.4 PPG, VIS AT CLARK	S – 40 SPQ	. NO SIGNIFI	CANT LOS	SES.			
01-12-201		eported By				\$0		ъ.,	Ta4-1	\$44.900	
<b>DailyCosts</b>	_	\$44,89			npletion	\$0 \$6.522		•	y Total	\$44,892	
Cum Costs	_	\$662,3			npletion	\$6,523	_		Total	\$668,847	
MD	9,880	TVD	9,880	Progress	695	Days	7	MW	11.45	Visc	45.0
Formation			<b>PBTD</b> : 0	.0		Perf:			PKR Dep	oth: 0.0	
Activity at	Report Ti	me: DRILLIN	G @ 9880'								
	End		vity Desc	•							
06:00	14:30			9532'. WOB 18		M 50–60/71, S	PP 2550 PS	, DP 350 PS	I, ROP 41 FPI	Н.	
14:30	15:00			CHECK COM.		EDG DOD 44 I					
15:00	06:00			9880'. SAME I			∙PH.				
		SEG	O @ 9644°	, CASTLEGAT	E @ 9810°.						
		FUL	L CREWS	, NO ACCIDEN	TS.						
				ΓINGS – COLD		R, SCRUBBIN	IG.				
				USED – 2176, Γ							
		CUR	RENT MV	V – 11.4 PPG, V	'IS – 42 SP	Q, NO LOSSE	S.				
01-13-201	1 Re	eported By	PA	T CLARK/KIT	HATFIEL	D					
DailyCosts	: Drilling	\$29,96	2	Con	npletion	\$0		Dail	y Total	\$29,962	
Cum Costs	_	\$692,2			npletion	\$6,523		•	Total	\$698,810	
MD	10,165	TVD	10,165	Progress	285	Days	8	$\mathbf{MW}$	11.5	Visc	42.0
Formation			<b>PBTD :</b> 0	Ü		Perf:			PKR Dep		
Activity at	Report Ti	me: DRILLIN	G @ 10165	,					•		
Start	End	Hrs Acti	vity Desc	ription							
06:00	07:00	1.0 DRI	LL 9880' –	9888'. WOB 22	2K, RPM 5	5/71, SPP 2600	PSI, DP 15	0 PSI, ROP	8 FPH.		
07:00	08:00	1.0 CIRC	CULATE F	OR TRIP. DRO	P SURVEY	, PUMP PILL.					
08:00	13:00			CHANGE OU						HAD TITE SP	OT AT 5476
				OLE. PICKED I		AND WASHE	D THRU W	/O DIFFICU	JETY.		
12,00	14.00			08' = 2 1/4 DEC	iREES.						
13:00 14:00	14:00 17:30		DRILLIN	G LINE. RIP IN HOLE. F	DECAUTI	ONADV WASI	JIAST 65	TO RTM I	TAD MODED	ATE 30' EL AD	E ON
14.00	17.30		TOMS UP.		RECAUTI	ONAKI WASI	ILASI 03	TO BTML 1	IAD MODEK	AIL 30 ILAN	L ON
17:30	06:00	300		88–10165' (277 CASTLEGAT	*						
		FUL	L CREWS	/ NO ACCIDEN	NTS. SAFI	ETY MEETING	GS: CUTTI	NG DRILLIN	NG LINE. WO	RKING WITH	STEAM
		FUE	L=4332 G	AL / USED 2052	2 GAL.						
01-14-201	1 Re	eported By	K	IT HATFIELD							
DailyCosts	: Drilling	\$48,46	7	Con	npletion	\$0		Dail	y Total	\$48,467	
<b>Cum Costs</b>	: Drilling	\$740,7	54	Con	npletion	\$6,523		Well	Total	\$747,277	
MD	10,662	TVD	10,662	Progress	497	Days	9	MW	11.7	Visc	41.0
						•					

Page 7

Activity at Report Time: DRILL AT 10662'

Start	End	Hrs	Activity Descr	ription							
06:00	13:30	7.5		65–10342' (177') AVG RY= 30 TABLE/ 70 MTI							
13:30	14:00	0.5	RIG SERVICE.								
14:00	06:00			42–10662' (320') AVG	20 FPH.TD = 106	52'.					
				AS ABOVE. MW = 11.			ONNECTION	GAS AT FLA	ARE. REACHED	TD AT 06:	
			SAFETY MEET	INGS: SLIPPRY SURF	ACES, WORKING	G IN COL	D. $FUEL = 6$	5156 GAL / U	SED 2176.		
			FULL CREWS,	NO ACCIDENTS.							
01-15-20	11 Re	ported I	By KI	T HATFIELD							
DailyCost	ts: Drilling	\$	42,362	Completion	\$144,902		Daily	<b>Total</b>	\$187,264		
Cum Cos	ts: Drilling	\$	783,116	Completion	\$151,425		Well	Total	\$934,541		
MD	10,662	TVD	10,662	Progress 0	Days	10	MW	11.7	Visc	47.0	
Formation	n•	1,2	<b>PBTD</b> : 0.0	8	Perf :		112 11	PKR De			
		me: CEM	IENTING 4.5" CA	~	1011.				<b>Peri •</b> 0.0		
Start	End	Hrs	Activity Descr								
06:00	07:30		-	HI VIS SWEEP AND O	TRCULATE OUT	' NO ABI	NORMAL CA	VINGS OR (	TITTINGS		
07:30	09:00								orinvos.		
09:00	11:30		1.5 SHORT TRIP OUT 20 STANDS. NO PROBLEMS. FLOW CHECK OK. TRIP BACK IN. 2.5 CIRCULATE BOTTOMS UP. NO FLARE. HOLD SAFETY MEETING W/ WEATHERFORD & RIG UP LAYDOWN								
			MACHINE.			1 WILLI	ING W/ WEA	WILKI OKD	a RIO OI LAI	DOWN	
11:30	17:30			ING DOWN DRILL PII	PE.						
17:30	18:00	0.5	PULL WEAR R	ING.							
18:00	00:30	6.5	PRODUCTION	CUSSION / SAFETY M CASING. RUN 254 JOI AT COLLAR @ 10607',	NTS 4 1/2" 11.6#	HCP-110	LT&C CAS	ING TO TD @	2 10652'. FLO		
00:30	01:30	1.0	CIRCULATE. R	IG DOWN CASING CF	EW. HAD LAZY	' 15' FLA	RE FOR ABO	OUT 10 MINI	UTES ON BTMS	S UP.	
01:30	06:00	4.5	CIRCULATE. W	AIT ON HALLIBURTO	ON CEMENT TO	BE DELI	VERED. LAI	B TEST ON L	EAD PUMPED	OFF IN	
			THE SAMPLE T	IUTES. APPARENTLY TO SET PREMATUREL VED AT 05:00 HRS. SP	Y. BLEND/TEST	NEW LE	AD CEMEN	Γ AND SHIP	TO LOCATON.	BULK	
				NO ACCIDENTS. SAF L / USED 1710 GAL.	ETY MEETINGS	: LAYIN	G DOWN DR	ILL PIPE, RU	JNNING CASIN	IG.	
01-16-20	11 Re	eported I	By KI	T HATFIELD							
DailyCost	ts: Drilling	\$	45,084	Completion	\$75,473		Daily	<b>Total</b>	\$120,557		
=	ts: Drilling	\$	828,201	Completion	\$226,898		Well	Total	\$1,055,099		
MD	10,662	TVD	10,662	Progress 0	Days	11	MW	0.0	Visc	0.0	
Formatio	n:		<b>PBTD</b> : 0.0	0	Perf:			PKR De	<b>pth:</b> 0.0		
Activity a	t Report Ti	me: RDR	T/WO COMPLE	ΓΙΟΝ							
Start	End	Hrs	Activity Descr	intion							
Start			ricultity Desci	ipuon							

06:30	10:30	4.0 FILL LINES AND TEST TO 5000 PSI. PUMP 20 BBLS MUD FLUSH, LEAD IN WITH 600 SX(196 BBLS) HIGHBOND LEAD CEMENT @ 12.0 PPG. TAIL IN WITH 1850 SX (484 BBLS.) EXTENDACEM CEMENT @ 13.5 PPG. WASH UP AND DROP LATCH DOWN PLUG. DISPLACED WITH 165 BBLS FRESH WATER @ 6 BPM, MAX PRESSURE 3200 PSI. BUMP PLUG W/4200 PSI. FLOATS HELD. LOST RETURNS WITH 135 BBLS DISPLACEMENT GONE, STILL GETTING GOOD LIFT PRESSURE. REGAINED PARTIAL RETURNS AT 150 BBLSGONE. FINISHED DISPLACEMENT AT 2 BPM WITH ABOUT 50–75% RETURNS. NO CEMENT TO SURFACE. CEMENT IN PLACE AT 10:30 HRS, 1/15/11.
10.20	11.20	1.0 WOO OLEAN DITC DEGIN DICCING DOWN HALL IDVIDEON
10:30	11:30	1.0 WOC. CLEAN PITS. BEGIN RIGGING DOWN HALLIBURTON.
11:30	12:00	0.5 RIG DOWN HALLIBURTON CEMENT HEAD. BACK OUT LANDING JOINT. SET FMC PACKOFF AND TEST TO 5000 PSI. CONTINUE TO CLEAN PITS.
12:00	14:00	2.0 TRANSFER MUD TO STORAGE. CLEAN OUT PREMIX AND ACTIVE PITS WITH SUPER SUCKER.
14:00	06:00	16.0 RIG DOWN. PREPARE TO MOVE TO STAGECOACH 112–20. MOVE IS ABOUT 2 1/2 MILE. WILL HAVE TRUCKS 07:00 HRS 1/16/11.

SAFETY MEETINGS: CEMENTING. RIGGING DOWN. FULL CREWS / NO ACCIDENTS

DIESEL= 2166 GAL, USED 2300 GAL.

E-MAILED BLM NOTIFICATION FOR BOP TEST ON STAGECOACH 112–20 @ 14:00 HRS 1/15/11.

LEFT PHONE MESSAGE FOR CAROL DANIELS W/ UDOGM AT SAME TIME.

X-FER 4 JTS 4 1/2" CASING, 3 PUP JOINT 4 1/2" CASING, AND 2166 GAL DIESEL.

TOTAL DIESEL USED ON THIS WELL = 22650 GAL.

06:00 RIG RELEASED @ 14:00 HRS, ON 1/15/11

CASING POINT COST \$828,202

01-18-2011	Re	ported B	y SE	EARLE							
DailyCosts: Dril	lling	\$0		Co	ompletion	\$30,300		Daily	Total	\$30,300	
Cum Costs: Dri	lling	\$82	28,201	Co	ompletion	\$257,198		Well	<b>Fotal</b>	\$1,085,399	
<b>MD</b> 10.	,662	TVD	10,662	Progress	0	Days	12	MW	0.0	Visc	0.0
Formation:			<b>PBTD</b> : 1	0606.0		Perf:			PKR Dep	oth: 0.0	

Activity at Report Time: PREP FOR FRACS

Start End Hrs Activity Description

 $06:00 \qquad 06:00 \qquad 24.0 \quad \text{MIRU SCHLUMBERGER. LOG WITH RST/CBL/CCL/VDL/GR FROM } 10496 \text{`TO } 1000 \text{'}. \text{ EST CEMENT TOP } @ 1370 \text{'}. \\ \text{RD SCHLUMBERGER.}$ 

02-01-20	)11 R	eported	By M	CCURDY							
DailyCos	ts: Drilling	9	60	Cor	mpletion	\$1,733		Daily	Total	\$1,733	
Cum Cos	sts: Drilling	\$	8828,201	Cor	mpletion	\$258,931		Well T	<b>Fotal</b>	\$1,087,132	
MD	10,662	TVD	10,662	Progress	0	Days	13	MW	0.0	Visc	0.0
Formatio	n:		<b>PBTD</b> : 1	0606.0		Perf:			PKR De <sub>l</sub>	oth: 0.0	
Activity a	at Report Ti	me: WO	COMPLETION								
Start	End	Hrs	Activity Desc	ription							
06:00	06:00	24.0	NU 10M FRAC	TREE. PRESS	SURE TEST	ED FRAC TREE	E & CAS	ING TO 8500 I	PSIG. WO C	OMPLETION.	

	STATE OF UTAH		FORM 9		
	DEPARTMENT OF NATURAL RESOURCE DIVISION OF OIL, GAS, AND MI		5.LEASE DESIGNATION AND SERIAL NUMBER: U-0143459		
SUNDF	RY NOTICES AND REPORTS	ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE		
	sals to drill new wells, significantly deeper igged wells, or to drill horizontal laterals.		7.UNIT or CA AGREEMENT NAME: STAGECOACH		
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: SCU 94-17		
2. NAME OF OPERATOR: EOG Resources, Inc.		<b>9. API NUMBER:</b> 43047371510000			
3. ADDRESS OF OPERATOR: 1060 East Highway 40 , Verna	<b>PHC</b> al, UT, 84078 435 781-91	9. FIELD and POOL or WILDCAT: NATURAL BUTTES			
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1355 FSL 0686 FEL QTR/QTR, SECTION, TOWNSHI Qtr/Qtr: NESE Section: 17	i <b>P, RANGE, MERIDIAN:</b> Township: 09.0S Range: 22.0E Meridian:	S	COUNTY: UINTAH STATE: UTAH		
11. CHE	CK APPROPRIATE BOXES TO INDICA	TE NATURE OF NOTICE, REPORT,	OR OTHER DATA		
TYPE OF SUBMISSION		TYPE OF ACTION			
	☐ ACIDIZE	☐ ALTER CASING	CASING REPAIR		
NOTICE OF INTENT Approximate date work will start:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME		
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE		
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	□ NEW CONSTRUCTION		
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK		
SPUD REPORT Date of Spud:	✓ PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION		
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON		
✓ DRILLING REPORT	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL		
Report Date: 2/16/2011	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION		
, ,	WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:		
The referenced well w	MPLETED OPERATIONS. Clearly show all pervas turned to sales on Februars summary report for drilling a performed on the subject of the subject	ary 16, 2011. Please see the and completion operations well.  Oil	e		
NAME (PLEASE PRINT) Michelle Robles	<b>PHONE NUMBER</b> 307 276-4842	TITLE Regulatory Assistant			
SIGNATURE N/A		<b>DATE</b> 2/17/2011			

#### WELL CHRONOLOGY REPORT

Report Generated On: 02-17-2011

Well Name	STAGECOACH 094-17	Well Type	DEVG	Division	DENVER
Field	NATURAL BUTTES	API#	43-047-37151	Well Class	COMP
County, State	UINTAH, UT	Spud Date	01-05-2011	Class Date	
Tax Credit	N	TVD / MD	10,660/ 10,660	Property #	054598
Water Depth	0	Last CSG	4.5	Shoe TVD / MD	10,651/ 10,651
KB / GL Elev	4,867/ 4,851				
Location	Section 17, T9S, R22E, NESE	, 1355 FSL & 686 FEI	L		

<b>Event No</b>	1.0	Description	on DRILL & CO	MPLETE		
Operator	EOG RESOUR	CES, INC WI %	78.378	NRI %	67.759	
AFE No	302733	AFE Tot	<b>al</b> 1,713,30	00 <b>DHC</b> / C	<b>CWC</b> 717,	700/ 995,600
Rig Contr	TRUE	Rig Name TR	UE #34 Start I	09-21-2005	Release Date	01-15-2011
09-21-2005	Reported By	ED TROTTER				
DailyCosts: D	rilling \$0	(	Completion \$0	Daily	y Total \$0	
Cum Costs: D	rilling \$0	(	Completion \$0	Well	Total \$0	
MD	0 <b>TVD</b>	0 Progress	0 Days	0 <b>MW</b>	0.0 <b>Vis</b> e	e 0.0
Formation:		<b>PBTD</b> : 0.0	Perf:		PKR Depth: 0	.0

Activity at Report Time: LOCATION DATA

Start End Hrs Activity Description
06:00 06:00 24.0 LOCATION DATA

1355' FSL & 686' FEL (NE/SE) SECTION 17, T9S, R22E UINTAH COUNTY, UTAH

LAT40 DEG 01' 57.01", LONG 109 DEG 27' 22.23" (NAD 27)

TRUE #34

OBJECTIVE: 10,660' TD, MESAVERDE

DW/GAS

STAGECOACH UNIT PROSPECT DD&A: CHAPITA WELL DEEP NATURAL BUTTE FIELD

LEASE: UTU-0143459

ELEVATION 4851.2' NAT GL, 4851.0' PREP GL, (DUE TO ROUNDING THE PREP GL WILL BE 4851') 4870' KB

(19')

EOG WI 78.37835%, NRI 67.759091%

 12–16–2010
 Reported By
 TERRY CSERE

 Daily Costs: Drilling
 \$75,000
 Completion
 \$0
 Daily Total
 \$75,000

Cum Costs: Drilling	g \$75,000	1	Completion	\$0		Well	Total	\$75,000	
<b>MD</b> 0	TVD	0 Progre	ess 0	Days	0	MW	0.0	Visc	0.0
Formation:	P	<b>PBTD:</b> 0.0		Perf:			PKR De	<b>pth:</b> 0.0	
Activity at Report T	l <b>ime:</b> BUILD LO	CATION							
Start End	Hrs Activ	vity Description							
06:00 06:00	24.0 BEGA	AN CONSTRUCTIO	ON OF LOCATION	ON 12/16/10.					
12-17-2010 I	Reported By	TERRY CSI	ERE/KIT HATFI	ELD					
DailyCosts: Drilling	<b>s</b> 0		Completion	\$0		Daily	Total	\$0	
Cum Costs: Drilling	g \$75,000	1	Completion	\$0		Well	Total	\$75,000	
<b>MD</b> 60	TVD	60 <b>Progre</b>	ess 0	Days	0	MW	0.0	Visc	0.0
Formation:	P	<b>PBTD</b> : 0.0		Perf:			PKR De	<b>pth:</b> 0.0	
Activity at Report T	l <b>ime:</b> BUILD LO	CATION/SPUD NC	TIFICATION						
Start End	Hrs Activ	vity Description							
06:00 06:00	OF 16	TING CLOSED LO 5" CONDUCTOR. C /10 @ 08:56 AM.							
12-20-2010 I	Reported By	TERRY CSI	ERE						
DailyCosts: Drilling	<b>g</b> \$0		Completion	\$0		Daily	Total	\$0	
<b>Cum Costs: Drilling</b>	g \$75,000	•	Completion	\$0		Well	Total	\$75,000	
<b>MD</b> 60	TVD	60 Progre	ess 0	Days	0	MW	0.0	Visc	0.0
Formation:	P	<b>PBTD:</b> 0.0		Perf:			PKR De	<b>pth:</b> 0.0	
Activity at Report T	l <b>ime:</b> BUILD LO	CATION							
Start End	Hrs Activ	vity Description							
06:00 06:00	24.0 LOCA	ATION IS COMPLE	TE.						
12-22-2010 I	Reported By	TERRY CSI	ERE						
DailyCosts: Drilling	<b>s</b> 0		Completion	\$0		Daily	Total	\$0	
Cum Costs: Drilling	g \$75,000	1	Completion	60			Total		
	-		Completion	\$0		Well	Total	\$75,000	
<b>MD</b> 60	TVD	60 <b>Progre</b>	_	Days	0	Well '	0.0	\$75,000 <b>Visc</b>	0.0
MD 60 Formation:	TVD		_		0			Visc	0.0
	TVD P	60 <b>Progre</b> <b>PBTD:</b> 0.0	_	Days	0		0.0	Visc	0.0
Formation:	TVD Prime: BUILD LO	60 <b>Progre</b> <b>PBTD:</b> 0.0	_	Days	0		0.0	Visc	0.0
Formation : Activity at Report T	TVD Pime: BUILD LO Hrs Activ	60 Progre PBTD: 0.0 CATION	ess 0	Days Perf:			0.0	Visc	0.0
Formation : Activity at Report T Start End 06:00 06:00	TVD Pime: BUILD LO Hrs Activ	60 Progre PBTD: 0.0 CATION vity Description	ess 0	Days Perf:			0.0	Visc	0.0
Formation : Activity at Report T Start End 06:00 06:00	TVD  Prime: BUILD LOG  Hrs Activ  24.0 LOCA  Reported By	60 Progre PBTD: 0.0 CATION Wity Description ATION IS COMPLE	ess 0	Days Perf:		MW	0.0	Visc	0.0
Formation : Activity at Report T Start End 06:00 06:00  12-23-2010 H	TVD  Prime: BUILD LOCA  Hrs Activ 24.0 LOCA  Reported By  g \$0	60 Progre PBTD: 0.0 PCATION PITTY Description PATION IS COMPLE TERRY CSE	ess 0  ETE. CLOSED LO  ERE	Days Perf:		MW	0.0 PKR Dep	Visc pth: 0.0	0.0
Formation: Activity at Report To Start End 06:00 06:00  12-23-2010 I  DailyCosts: Drilling	TVD  Prime: BUILD LOCA  Hrs Activ 24.0 LOCA  Reported By  g \$0	60 Progre PBTD: 0.0 CATION Vity Description ATION IS COMPLE TERRY CSE	ess 0  ETE. CLOSED LO  ERE  Completion  Completion	Days Perf:  OOP 50% COI  \$0  \$0		MW Daily	0.0 PKR Dep	Visc pth: 0.0	0.0
Formation: Activity at Report To Start End 06:00 06:00  12-23-2010 H DailyCosts: Drilling Cum Costs: Drilling	TVD  Prime: BUILD LOCA  Hrs Activ 24.0 LOCA  Reported By  g \$0  g \$75,000  TVD	60 Progre PBTD: 0.0 CATION Vity Description ATION IS COMPLE TERRY CSE	ess 0  ETE. CLOSED LO  ERE  Completion  Completion	Days Perf:  OOP 50% CO	MPLETE.	MW Daily Well	0.0  PKR Dep	Visc pth: 0.0 \$0 \$75,000 Visc	
Formation: Activity at Report To Start End  06:00 06:00  12-23-2010 H  DailyCosts: Drilling Cum Costs: Drilling MD 60	TVD  Prime: BUILD LOCA  Hrs Active 24.0 LOCA  Reported By g \$0 g \$75,000  TVD	60 Progre PBTD: 0.0 CATION Vity Description ATION IS COMPLE TERRY CSE  60 Progre PBTD: 0.0	ess 0  ETE. CLOSED LO  ERE  Completion  Completion	Days Perf:  OOP 50% COI  \$0 \$0 Days	MPLETE.	MW Daily Well	O.0 PKR Dep	Visc pth: 0.0 \$0 \$75,000 Visc	
Formation: Activity at Report To Start End 06:00 06:00  12-23-2010 H DailyCosts: Drilling Cum Costs: Drilling MD 60 Formation:	TVD  Prime: BUILD LOCA  Hrs Activ 24.0 LOCA  Reported By  g \$0  g \$75,000  TVD  Prime: BUILD LOCA	60 Progre PBTD: 0.0 CATION  Wity Description  ATION IS COMPLE  TERRY CSE  60 Progre  PBTD: 0.0  CATION	ess 0  ETE. CLOSED LO  ERE  Completion  Completion	Days Perf:  OOP 50% COI  \$0 \$0 Days	MPLETE.	MW Daily Well	O.0 PKR Dep	Visc pth: 0.0 \$0 \$75,000 Visc	
Formation: Activity at Report To Start End 06:00 06:00  12-23-2010 H DailyCosts: Drilling Cum Costs: Drilling MD 60 Formation: Activity at Report To Start End  Activity at Report To Start End  Formation:	TVD  Prime: BUILD LOCA  Hrs Active 24.0 LOCA  Reported By g \$0 g \$75,000  TVD  Prime: BUILD LOCA  Hrs Active	60 Progre PBTD: 0.0 CATION Vity Description ATION IS COMPLE TERRY CSE  60 Progre PBTD: 0.0	ess 0  ETE. CLOSED LO  ERE  Completion Completion ess 0	Days Perf:  OOP 50% COI  \$0 \$0 Days	MPLETE.	MW Daily Well	O.0 PKR Dep	Visc pth: 0.0 \$0 \$75,000 Visc	

DailyCosts:	Drilling	\$19	6,670	Con	npletion	\$0		Daily	Total	\$196,670	
<b>Cum Costs:</b>	Drilling	\$27	1,670	Con	npletion	\$0		Well 7	<b>Fotal</b>	\$271,670	
MD	2,410	TVD	2,410	Progress	0	Days	0	MW	0.0	Visc	0.0
Formation :			<b>PBTD</b> : 0	.0		Perf:			PKR Der	oth: 0.0	

Activity at Report Time: WORT

Start End Hrs	<b>Activity Description</b>
---------------	-----------------------------

06:00 06:00

24.0 MIRU CRAIG'S AIR RIG #2 ON 12/18/2010. DRILLED 12–1/4" HOLE TO 2391' GL (2410' KB). ENCOUNTERED NO WATER. DRILLED WITH AIR AND FOAM TO 2030' THEN PUMP DRILLED TO TD WITH FULL RETURNS. RAN 55 JTS (2380.51') OF 9–5/8", 36.0#, J–55, ST&C CASING WITH HALLIBURTON GUIDE SHOE AND FLOAT COLLAR. 8 CENTRALIZERS SPACED MIDDLE OF SHOE JOINT AND EVERY COLLAR TILL GONE. LANDED @ 2399.51' KB. RAN 200' OF 1" PIPE DOWN BACK SIDE. RDMO CRAIG'S AIR RIG #2.

MIRU HALLIBURTON CEMENTERS. HELD SAFETY MEETING. PRESSURE TESTED LINES AND CEMENT VALVE TO 2000 PSIG. PUMPED 180 BBLS FRESH WATER & 20 BBLS GELLED WATER FLUSH AHEAD OF CEMENT. LEAD: MIXED AND PUMPED 250 SACKS (183 BBLS) OF PREMIUM LEAD CEMENT WITH 0.3% VERSASET, 2% CAL—SEAL, AND 2% ECONOLITE. MIXED LEAD CEMENT @ 10.5 PPG WITH YIELD OF 4.1 CF/SX. TAIL: MIXED AND PUMPED 300 SACKS (64 BBLS) OF PREMIUM CEMENT WITH 2% CACL2 MIXED TAIL CEMENT @ 15.6 PPG WITH YIELD OF 1.2 CF/SX. DISPLACED CEMENT WITH 181 BBLS FRESH WATER. BUMPED PLUG WITH 1000# @ 17:02 PM ON 12/23/10. FLOAT HELD. SHUT—IN CASING VALVE. BROKE CIRCULATION 103 BBLS INTO FRESH WATER FLUSH, LOST RETURNS 92 BBLS INTO DISPLACEMENT, REGAIN RETURNS 148 INTO DISPLACEMENT. NO CEMENT TO SURFACE. WOC 2 HR.

TOP JOB #1: PUMP DOWN 200' OF 1' PIPE. MIXED & PUMPED 125 SX (26 BBLS) OF PREMIUM CEMENT WITH 2% CACL2, MIXED CEMENT @ 15.8 PPG WITH YIELD OF 1.17 CF/SX, HOLE FILLED AND STOOD FULL.

PREPARED LOCATION FOR ROTARY RIG. WORT. WILL DROP FROM REPORT UNTIL FURTHER ACTIVITY.

CRAIG'S RIG #2 TOOK SURVEYS WHILE DRILLING HOLE @ 1520' = 1.50 DEGREE, 2000' = 2.00 DEGREE, AND 2391' = 2.50 DEGREE.

KERRY SALES NOTIFIED BLM VIA EMAIL OF THE SURFACE CASING & CEMENT JOB ON 12/19/10 @ 12:30 PM. KERRY SALES NOTIFIED CAROL DANIELS WITH UDOGM OF THE SURFACE CASING & CEMENT JOB VIA PHONE ON 12/19/10 @ 12:30 PM. KERRY SALES NOTIFIED LEE ALLEN BLACKHAIR WITH UTE INDIAN AFFAIRS OF THE SURFACE CASING & CEMENT JOB VIA PHONE ON 12/19/10 @ 12:30 PM.

01-04-2011	Re	eported By	PA	AT CLARK							
DailyCosts: I	Orilling	\$11,4	190	Com	pletion	\$0		Daily	Total	\$11,490	
Cum Costs: 1	Drilling	\$283	,160	Com	pletion	\$0		Well '	Total	\$283,160	
MD	2,410	TVD	2,410	Progress	0	Days	0	MW	0.0	Visc	0.0
Formation:			<b>PBTD</b> : 0	0.0		Perf:			PKR Dep	oth: 0.0	

**Activity at Report Time: MIRT** 

Start	End	Hrs	Activity	Description

06:00 06:00 24.0 HSM W/L&S TRUCKING, TRUE RIG CREW, MT WEST. EOG SAFETY REP MIKE MCDONALD PRESENT. START MOVING RIG 16 MILES TO NEW WELL. RIG 30% MOVED. ETA FOR RIG ACCEPTANCE – 1–5–2011.

TRANSFER 7 JTS  $(40.47^{\circ}, 38.17^{\circ}, 40.85^{\circ}, 40.81^{\circ}, 40.85^{\circ}, 40.11^{\circ}, 40.49^{\circ} - 281.75^{\circ}$  TOTAL)  $4\ 1/2^{\circ}$ , 11.6#, N=80, LTC CSG FROM HOSS 79–27.

TRANSFER 1 MJ 4 1/2", 11.6#, P-110, LTC (11.07') FROM HOSS 79-27.

TRANSFER 1482 GALS FUEL @ \$3.43/GAL FROM HOSS 79-27.

01-05-2011 Reported By PAT CLARK

C	: Drilling		40,691		mpletion	\$0			ly Total	\$40,691	
	: Drilling		323,851	Co	mpletion	\$0			l Total	\$323,851	
MD	2,410	TVD	2,410	Progress	0	Days	0	MW	0.0	Visc	0.0
Formation			<b>PBTD</b> : 0.	.0		Perf:			PKR De	<b>pth:</b> 0.0	
Activity at	Report Ti	me: RUR	T								
Start	End	Hrs	Activity Descr	ription							
06:00	06:00	24.0	FINISH MIRU.	RAISED DER	RICK @ 15	:00. RELEAS	E CRANE	@ 1600, TRU	JCKS @ 1800		
			FULL CREWS,			nic pou Ep					
			SAFETY MEET			ING BOILER.					
			FUEL – 8778, E ETA DAYWOR								
01 06 201	1 D.	4.3T			-11.						
01-06-201		eported I	-	T CLARK		40				<b>#122.21</b> 6	
DailyCosts	_		122,216		mpletion	\$0			ly Total	\$122,216	
Cum Costs	_		446,067		mpletion	\$0			l Total	\$446,067	
MD	3,310	TVD	3,310	Progress	910	Days	1	MW	9.6	Visc	31.0
Formation			<b>PBTD</b> : 0.	.0		Perf:			PKR De	<b>pth:</b> 0.0	
Activity at	Report Ti	me: DRII	LLING @ 3310'								
C44											
06:00	End 10:00	<b>Hrs</b> 4.0	Activity Described HSM WITH BOTEST PIPE RAI	& C QUICK T							
			HSM WITH B	& C QUICK T MS, BLIND R IDE BOP 500 RFORM ACC	AMS, HCR. 0 PSI HIGH	, CHOKE LIN , 10 MINUTE	ES, MANI S. TEST AN	FOLD, KIL NULAR PR	L LINE VALV REVENTER 2:	ES, UPPER & 50/2500 PSI FC	LOWER OR 10
			HSM WITH B TEST PIPE RAI KELLY & INSI MINUTES. PE	& C QUICK T MS, BLIND R IDE BOP 500 RFORM ACC R/D B & C.	AMS, HCR 0 PSI HIGH UMULATO	, CHOKE LIN , 10 MINUTE	ES, MANI S. TEST AN	FOLD, KIL NULAR PR	L LINE VALV REVENTER 2:	ES, UPPER & 50/2500 PSI FC	LOWER OR 10
			HSM WITH B TEST PIPE RAI KELLY & INSI MINUTES. PEI TESTS GOOD.	& C QUICK T MS, BLIND R IDE BOP 500 RFORM ACCI R/D B & C. 7ORK @ 06:00	AMS, HCR, 0 PSI HIGH UMULATO! ).	, CHOKE LIN , 10 MINUTE R FUNCTION	ES, MANI S. TEST AN TEST. TES	FOLD, KIL NULAR PR	L LINE VALV REVENTER 2:	ES, UPPER & 50/2500 PSI FC	LOWER OR 10
			HSM WITH BATEST PIPE RAIKELLY & INSIMINUTES. PETESTS GOOD.	& C QUICK T MS, BLIND R IDE BOP 500 RFORM ACC R/D B & C. VORK @ 06:00	AMS, HCR, 0 PSI HIGH UMULATOI ). N WALKER	CHOKE LIN , 10 MINUTE R FUNCTION COF VERNAL	ES, MANI S. TEST AN TEST. TES	FOLD, KIL NNULAR PR ST CASING	L LINE VALV REVENTER 2:	ES, UPPER & 50/2500 PSI FC	LOWER OR 10
		4.0	HSM WITH B TEST PIPE RAIKELLY & INSIMINUTES. PETESTS GOOD. RIG ON DAYW TEST WITNESS	& C QUICK T MS, BLIND R RFORM ACC R/D B & C. 'ORK @ 06:00 SED BY ALA , UTE INDIAN	AMS, HCR. 0 PSI HIGH UMULATO  0. N WALKER N TRIBE NO D TRS AND	CHOKE LIN , 10 MINUTE R FUNCTION  OF VERNAL OTIFIED ON 1	ES, MANI S. TEST AN TEST. TES  BLM. 2-31-2010	FOLD, KIL NNULAR PR ST CASING ) @ 16:00.	L LINE VALV REVENTER 2: TO 1500 PSI I	ES, UPPER & 50/2500 PSI FO FOR 30 MINU	LOWER OR 10 FES. ALL
06:00	10:00	3.5	HSM WITH B TEST PIPE RAIKELLY & INSIMINUTES. PER TESTS GOOD. RIG ON DAYWEST WITNESS. BLM, UDOGM. HSM WITH WE	& C QUICK T MS, BLIND R IDE BOP 500 RFORM ACC R/D B & C. 'ORK @ 06:00 SED BY ALA , UTE INDIAN EATHERFORI 140'. R/D TRS.	AMS, HCR. 0 PSI HIGH UMULATOR  0. N WALKER N TRIBE NO D TRS AND	CHOKE LIN , 10 MINUTE R FUNCTION COF VERNAL OTIFIED ON 1 RIG CREW. S	ES, MANI S. TEST AN TEST. TES BLM. (2–31–2010 SET WEAR	FOLD, KIL NNULAR PR ST CASING ) @ 16:00. BUSHING.	L LINE VALV REVENTER 2: TO 1500 PSI I	ES, UPPER & 50/2500 PSI FC FOR 30 MINUT BHA & TOOL	LOWER OR 10 FES. ALL
06:00	10:00	3.5 4.0	HSM WITH B ATEST PIPE RAILY & INSIMINUTES. PEITESTS GOOD. RIG ON DAYW TEST WITNESS BLM, UDOGM HSM WITH WE CEMENT @ 23 DRILL CEMEN	& C QUICK T MS, BLIND R IDE BOP 500 RFORM ACCI R/D B & C. 'ORK @ 06:00 SED BY ALA , UTE INDIAN EATHERFORI 40'. R/D TRS. IT, FLOAT EC MW.	AMS, HCR. 0 PSI HIGH UMULATOR  N WALKER N TRIBE NO D TRS AND QUIPMENT	CHOKE LIN , 10 MINUTE R FUNCTION COF VERNAL OTIFIED ON 1 RIG CREW. S	ES, MANI S. TEST AN TEST. TES BLM. (2–31–2010 SET WEAR	FOLD, KIL NNULAR PR ST CASING ) @ 16:00. BUSHING.	L LINE VALV REVENTER 2: TO 1500 PSI I	ES, UPPER & 50/2500 PSI FC FOR 30 MINUT BHA & TOOL	LOWER OR 10 FES. ALL
10:00 13:30 17:30 18:00	10:00 13:30 17:30 18:00 20:00	3.5 4.0 0.5 2.0	HSM WITH B ATEST PIPE RAIKELLY & INSIMINUTES. PEITESTS GOOD. RIG ON DAYW TEST WITNESS BLM, UDOGM HSM WITH WE CEMENT @ 23 DRILL CEMEN PSI FOR 12.5 E RIG SERVICE. DRILL 2410' —	& C QUICK TMS, BLIND RIDE BOP 500 RFORM ACCUR/D B & C. ORK @ 06:00 SED BY ALA , UTE INDIAN EATHERFORI 40'. R/D TRS. OT, FLOAT ECMW. CHECK COM 2506'. WOB 1	AMS, HCR. 0 PSI HIGH UMULATOR  N WALKER N TRIBE NO D TRS AND QUIPMENT  I. 5K, RPM 50	CHOKE LIN , 10 MINUTE R FUNCTION  OF VERNAL OTIFIED ON 1 RIG CREW. S , 10' FORMAT	ES, MANI S. TEST AN TEST. TES BLM. 2–31–2010 SET WEAR	FOLD, KIL NNULAR PR ST CASING ) @ 16:00. BUSHING.	L LINE VALV REVENTER 2: TO 1500 PSI I R/U TRS. PU DRM FIT TEST	ES, UPPER & 50/2500 PSI FC FOR 30 MINUT BHA & TOOL	LOWER OR 10 FES. ALL
10:00 13:30 17:30 18:00 20:00	13:30 17:30 18:00 20:00 20:30	3.5 4.0 0.5 2.0 0.5	HSM WITH B ATEST PIPE RAIKELLY & INSIMINUTES. PER TESTS GOOD. RIG ON DAYWEST WITNESS. BLM, UDOGMEST WITNESS. BLM,	& C QUICK TMS, BLIND RIDE BOP 500 RFORM ACCI R/D B & C. ORK @ 06:00 SED BY ALA , UTE INDIAN EATHERFORI 40'. R/D TRS. IT, FLOAT EC. MW. CHECK COM 2506'. WOB 1 31' – 2.1 DEG	AMS, HCR. 0 PSI HIGH UMULATOR  N WALKER N TRIBE NO D TRS AND QUIPMENT  L  5K, RPM 56	CHOKE LIN , 10 MINUTE R FUNCTION COF VERNAL OTIFIED ON 1 RIG CREW. S , 10' FORMAT	ES, MANI S. TEST AN TEST. TES BLM. 2-31-2010 SET WEAR TION TO 24	FOLD, KIL NNULAR PR ST CASING 0 @ 16:00. BUSHING. HIO'. PERFO	L LINE VALV REVENTER 2: TO 1500 PSI I R/U TRS. PU ORM FIT TEST	ES, UPPER & 50/2500 PSI FC FOR 30 MINUT BHA & TOOL	LOWER OR 10 FES. ALL
10:00 13:30 17:30 18:00	10:00 13:30 17:30 18:00 20:00	3.5 4.0 0.5 2.0 0.5	HSM WITH B ATEST PIPE RAIKELLY & INSIMINUTES. PEITESTS GOOD. RIG ON DAYW TEST WITNESS BLM, UDOGM HSM WITH WE CEMENT @ 23 DRILL CEMEN PSI FOR 12.5 E RIG SERVICE. DRILL 2410' —	& C QUICK TMS, BLIND RIDE BOP 500 RFORM ACCI R/D B & C. ORK @ 06:00 SED BY ALA , UTE INDIAN EATHERFORI 40'. R/D TRS. IT, FLOAT EC. MW. CHECK COM 2506'. WOB 1 31' – 2.1 DEG	AMS, HCR. 0 PSI HIGH UMULATOR  N WALKER N TRIBE NO D TRS AND QUIPMENT  L  5K, RPM 56	CHOKE LIN , 10 MINUTE R FUNCTION COF VERNAL OTIFIED ON 1 RIG CREW. S , 10' FORMAT	ES, MANI S. TEST AN TEST. TES BLM. 2-31-2010 SET WEAR TION TO 24	FOLD, KIL NNULAR PR ST CASING 0 @ 16:00. BUSHING. HIO'. PERFO	L LINE VALV REVENTER 2: TO 1500 PSI I R/U TRS. PU ORM FIT TEST	ES, UPPER & 50/2500 PSI FC FOR 30 MINUT BHA & TOOL	LOWER OR 10 FES. ALL
10:00 13:30 17:30 18:00 20:00	13:30 17:30 18:00 20:00 20:30	3.5 4.0 0.5 2.0 0.5	HSM WITH B ATEST PIPE RAIKELLY & INSIMINUTES. PEITESTS GOOD. RIG ON DAYW TEST WITNESS BLM, UDOGM HSM WITH WE CEMENT @ 23 DRILL CEMEN PSI FOR 12.5 E RIG SERVICE. DRILL 2410' — SURVEY @ 245 DRILL 2506'—3	& C QUICK TMS, BLIND R IDE BOP 500 RFORM ACCI R/D B & C. 'ORK @ 06:00 SED BY ALA , UTE INDIAN EATHERFORI 140'. R/D TRS. IT, FLOAT EC MW. CHECK COM 2506'. WOB 1 31' – 2.1 DEG 3310'. WOB 2	AMS, HCR. 0 PSI HIGH UMULATOR  N WALKER N TRIBE NO D TRS AND QUIPMENT  I. 5K, RPM 50 . 0K, RPM 60	CHOKE LIN , 10 MINUTE R FUNCTION COF VERNAL OTIFIED ON 1 RIG CREW. S , 10' FORMAT	ES, MANI S. TEST AN TEST. TES BLM. (2-31-2010 SET WEAR CION TO 24	FOLD, KIL NNULAR PR ST CASING 0 @ 16:00. BUSHING. HIO'. PERFO	L LINE VALV REVENTER 2: TO 1500 PSI I R/U TRS. PU ORM FIT TEST	ES, UPPER & 50/2500 PSI FC FOR 30 MINUT BHA & TOOL	LOWER OR 10 TES. ALL
10:00 13:30 17:30 18:00 20:00	13:30 17:30 18:00 20:00 20:30	3.5 4.0 0.5 2.0 0.5	HSM WITH B TEST PIPE RAIKELLY & INSIMINUTES. PER TESTS GOOD. RIG ON DAYW TEST WITNESS BLM, UDOGM HSM WITH WE CEMENT @ 23 DRILL CEMEN PSI FOR 12.5 E RIG SERVICE. DRILL 2410' - SURVEY @ 243 DRILL 2506' -3	& C QUICK TMS, BLIND RIDE BOP 500 RFORM ACCI R/D B & C. ORK @ 06:00 SED BY ALA , UTE INDIAN EATHERFORI (40'. R/D TRS. OT, FLOAT ECT MW. CHECK COM 2506'. WOB 1 31' – 2.1 DEG 3310'. WOB 20 NO ACCIDER	AMS, HCR. 0 PSI HIGH UMULATOR  N WALKER N TRIBE NO D TRS AND QUIPMENT  I. 5K, RPM 50 . OK, RPM 60 NTS, BOP D	CHOKE LIN , 10 MINUTE R FUNCTION  OF VERNAL OTIFIED ON 1 RIG CREW. S , 10' FORMAT	ES, MANI S. TEST AN TEST. TES BLM. 2-31-2010 SET WEAR CION TO 24 D PSI, DP 30 PSI, DP 35 TOURS.	FOLD, KIL NNULAR PR ST CASING 0 @ 16:00. BUSHING. HIO'. PERFO	L LINE VALV REVENTER 2: TO 1500 PSI I R/U TRS. PU ORM FIT TEST	ES, UPPER & 50/2500 PSI FC FOR 30 MINUT BHA & TOOL	LOWER OR 10 FES. ALL
10:00 13:30 17:30 18:00 20:00	13:30 17:30 18:00 20:00 20:30	3.5 4.0 0.5 2.0 0.5	HSM WITH B TEST PIPE RAIKELLY & INSIMINUTES. PER TESTS GOOD. RIG ON DAYW TEST WITNESS BLM, UDOGM HSM WITH WE CEMENT @ 23 DRILL CEMEN PSI FOR 12.5 E RIG SERVICE. DRILL 2410' - SURVEY @ 245 DRILL 2506' -3 FULL CREWS, SAFETY MEET	& C QUICK TMS, BLIND RMS, BLIND RFORM ACCIDEI R/D B & C. ORK @ 06:00 SED BY ALA , UTE INDIAN EATHERFORI 40'. R/D TRS. NT, FLOAT EC. MW. CHECK COM. 2506'. WOB 1 31' - 2.1 DEG. 3310'. WOB 20 NO ACCIDEI TINGS - TEST	AMS, HCR. 0 PSI HIGH UMULATOR 0. N WALKER N TRIBE NO D TRS AND QUIPMENT 1. 5K, RPM 50 . OK, RPM 60 NTS, BOP D	CHOKE LIN , 10 MINUTE R FUNCTION  OF VERNAL OTIFIED ON 1 RIG CREW. S , 10' FORMAT  O/73, SPP 1450  O/73, SPP 1950  ORILL BOTH' BHA, KICKEI	ES, MANI S. TEST AN TEST. TES BLM. (2-31-2010 SET WEAR TION TO 24 D PSI, DP 36 PSI, DP 35 TOURS. R SAND.	FOLD, KIL NNULAR PR ST CASING 0 @ 16:00. BUSHING. HIO'. PERFO	L LINE VALV REVENTER 2: TO 1500 PSI I R/U TRS. PU ORM FIT TEST	ES, UPPER & 50/2500 PSI FC FOR 30 MINUT BHA & TOOL	LOWER OR 10 FES. ALL
10:00 13:30 17:30 18:00 20:00	13:30 17:30 18:00 20:00 20:30	3.5 4.0 0.5 2.0 0.5	HSM WITH B TEST PIPE RAIKELLY & INSIMINUTES. PER TESTS GOOD. RIG ON DAYW TEST WITNESS BLM, UDOGM HSM WITH WE CEMENT @ 23 DRILL CEMEN PSI FOR 12.5 E RIG SERVICE. DRILL 2410' - SURVEY @ 243 DRILL 2506' -3	& C QUICK TMS, BLIND R MS, BLIND R IDE BOP 500 RFORM ACCI R/D B & C.  ORK @ 06:00 SED BY ALA , UTE INDIAN EATHERFORI 40'. R/D TRS. IT, FLOAT EC MW. CHECK COM 2506'. WOB 1 31' – 2.1 DEG 3310'. WOB 20 NO ACCIDEN TINGS – TEST I – 9.5 PPG, V	AMS, HCR. 0 PSI HIGH UMULATOR 0. N WALKER N TRIBE NO D TRS AND QUIPMENT 1. 5K, RPM 50 . OK, RPM 60 NTS, BOP D	CHOKE LIN , 10 MINUTE R FUNCTION  OF VERNAL OTIFIED ON 1 RIG CREW. S , 10' FORMAT  O/73, SPP 1450  O/73, SPP 1950  ORILL BOTH' BHA, KICKEI	ES, MANI S. TEST AN TEST. TES BLM. (2-31-2010 SET WEAR TION TO 24 D PSI, DP 36 PSI, DP 35 TOURS. R SAND.	FOLD, KIL NNULAR PR ST CASING 0 @ 16:00. BUSHING. HIO'. PERFO	L LINE VALV REVENTER 2: TO 1500 PSI I R/U TRS. PU ORM FIT TEST	ES, UPPER & 50/2500 PSI FC FOR 30 MINUT BHA & TOOL	LOWER OR 10 FES. ALL
10:00 13:30 17:30 18:00 20:00	13:30 17:30 18:00 20:00 20:30	3.5 4.0 0.5 2.0 0.5	HSM WITH B ATEST PIPE RAIKELLY & INSIMINUTES. PEITESTS GOOD. RIG ON DAYW TEST WITNESS BLM, UDOGM HSM WITH WE CEMENT @ 23 DRILL CEMEN PSI FOR 12.5 E RIG SERVICE. DRILL 2410' — SURVEY @ 245 DRILL 2506' —3 FULL CREWS, SAFETY MEET CURRENT MW	& C QUICK TMS, BLIND RIDE BOP 500 RFORM ACCI R/D B & C. 'ORK @ 06:00 SED BY ALA , UTE INDIAN EATHERFORI (40'. R/D TRS. NT, FLOAT ECT MW. CHECK COM 2506'. WOB 1 31' - 2.1 DEG 3310'. WOB 2 NO ACCIDEN TINGS - TEST / - 9.5 PPG, V JSED - 1368.	AMS, HCR. 0 PSI HIGH UMULATOR 0. N WALKER N TRIBE NO D TRS AND QUIPMENT 1. 5K, RPM 50 . OK, RPM 60 NTS, BOP E T BOP, P/U I IS – 32 SPQ	CHOKE LIN , 10 MINUTE R FUNCTION  OF VERNAL OTIFIED ON 1 RIG CREW. S , 10' FORMAT  0/73, SPP 1450  ORILL BOTH BHA, KICKEI Q, NO LOSSES	ES, MANI S. TEST AN TEST. TES BLM. (2-31-2010 SET WEAR TION TO 24 D PSI, DP 36 PSI, DP 35 TOURS. R SAND.	FOLD, KIL NNULAR PR ST CASING 0 @ 16:00. BUSHING. HIO'. PERFO	L LINE VALV REVENTER 2: TO 1500 PSI I R/U TRS. PU ORM FIT TEST	ES, UPPER & 50/2500 PSI FC FOR 30 MINUT BHA & TOOL	LOWER OR 10 FES. ALL
10:00 13:30 17:30 18:00 20:00 20:30	13:30 17:30 18:00 20:00 20:30	3.5 4.0 0.5 2.0 0.5	HSM WITH B ATEST PIPE RAIKELLY & INSIMINUTES. PEITESTS GOOD. RIG ON DAYW TEST WITNESS BLM, UDOGM HSM WITH WE CEMENT @ 23 DRILL CEMENPSI FOR 12.5 E RIG SERVICE. DRILL 2410' - SURVEY @ 243 DRILL 2506' -3 FULL CREWS, SAFETY MEET CURRENT MW FUEL - 7410, U FORMATION -	& C QUICK TMS, BLIND R MS, BLIND R IDE BOP 500 RFORM ACCI R/D B & C.  ORK @ 06:00 SED BY ALA , UTE INDIAN EATHERFORI 40'. R/D TRS. IT, FLOAT EC. MW. CHECK COM 2506'. WOB 1 31' – 2.1 DEG 3310'. WOB 2  NO ACCIDEN TINGS – TEST I – 9.5 PPG, V JSED – 1368 MAHOGAN	AMS, HCR. 0 PSI HIGH UMULATOR  N WALKER N TRIBE NO D TRS AND QUIPMENT  I. 5K, RPM 50  NTS, BOP E T BOP, P/U I IS – 32 SPO Y OIL SHAL	CHOKE LIN, 10 MINUTE, R FUNCTION  COF VERNAL OTIFIED ON 1 RIG CREW. S  10' FORMAT  0/73, SPP 1450  ORILL BOTH ' BHA, KICKEI Q, NO LOSSES  LE.	ES, MANI S. TEST AN TEST. TES BLM. (2-31-2010 SET WEAR TION TO 24 D PSI, DP 36 PSI, DP 35 TOURS. R SAND.	FOLD, KIL NNULAR PR ST CASING 0 @ 16:00. BUSHING. HIO'. PERFO	L LINE VALV REVENTER 2: TO 1500 PSI I R/U TRS. PU ORM FIT TEST	ES, UPPER & 50/2500 PSI FC FOR 30 MINUT BHA & TOOL	LOWER OR 10 FES. ALL
10:00 13:30 17:30 18:00 20:00	10:00 13:30 17:30 18:00 20:00 20:30 06:00	3.5 4.0 0.5 2.0 0.5	HSM WITH BATEST PIPE RAIKELLY & INSIMINUTES. PER TESTS GOOD. RIG ON DAYW TEST WITNESS BLM, UDOGM HSM WITH WE CEMENT @ 23 DRILL CEMENPSI FOR 12.5 E RIG SERVICE. DRILL 2410' - SURVEY @ 24: DRILL 2506' -5 FULL CREWS, SAFETY MEET CURRENT MW FUEL - 7410, UFORMATION - SPUD 8 3/4" HO	& C QUICK TMS, BLIND R MS, BLIND R IDE BOP 500 RFORM ACCI R/D B & C.  ORK @ 06:00 SED BY ALA , UTE INDIAN EATHERFORI 40'. R/D TRS. IT, FLOAT EC. MW. CHECK COM 2506'. WOB 1 31' – 2.1 DEG 3310'. WOB 2  NO ACCIDEN TINGS – TEST I – 9.5 PPG, V JSED – 1368 MAHOGAN	AMS, HCR. 0 PSI HIGH UMULATOR  N WALKER N TRIBE NO D TRS AND QUIPMENT  I. 5K, RPM 50  NTS, BOP E T BOP, P/U I IS – 32 SPO Y OIL SHAL	CHOKE LIN, 10 MINUTE, R FUNCTION  COF VERNAL OTIFIED ON 1 RIG CREW. S  10' FORMAT  0/73, SPP 1450  ORILL BOTH ' BHA, KICKEI Q, NO LOSSES  LE.	ES, MANI S. TEST AN TEST. TES BLM. (2-31-2010 SET WEAR TION TO 24 D PSI, DP 36 PSI, DP 35 TOURS. R SAND.	FOLD, KIL NNULAR PR ST CASING 0 @ 16:00. BUSHING. HIO'. PERFO	L LINE VALV REVENTER 2: TO 1500 PSI I R/U TRS. PU ORM FIT TEST	ES, UPPER & 50/2500 PSI FC FOR 30 MINUT BHA & TOOL	LOWER OR 10 FES. ALL

Cum Cost	ts: Drilling	\$	476,174	Cor	npletion	\$0		Well	Total	\$476,174	
MD	5,444	TVD	5,444	Progress	2,134	Days	2	MW	9.65	Visc	34.0
Formation	n:		<b>PBTD</b> : 0.	0		Perf :			PKR Dep	oth: 0.0	
Activity a	t Report Ti	ne: DRII	LLING @ 5444'								
Start	End	Hrs	Activity Descr	ription							
06:00	09:30	3.5	DRILL 3310' –	=	5–20K, RPN	M 50–60/73, S	SPP 1950 PSI	I, DP 350 PS	I, ROP 109 FI	PH.	
09:30	10:00	0.5	SURVEY @ 37	58' – 2.13 DEC	G. RIG SER	VICE. CHECI	COM.				
10:00	21:30	11.5	DRILL 3693' -	4786'. SAME	PARAMET	ERS, ROP 95	FPH.				
21:30	22:00	0.5	SURVEY @ 47	11' – 2.53 DEC	<b>.</b>						
22:00	06:00	8.0	DRILL 4786' –	5444'. WOB –	15–21K, R	PM 55/73, SP	P 2200 PSI, 1	DP 350 PSI,	ROP 82 FPH.		
			FULL CREWS, SAFETY MEET FUEL – 5472, U CURRENT MW WASATCH @ 4	TINGS – RULE USED – 1938. V – 9.9 PPG, VI	ES AND RE		, FUELING	HEATER, B	OP DRILL BO	OTH TOURS.	
01-08-20	11 Re	ported l	By PA	T CLARK							
	ts: Drilling	=	29,027	Cor	npletion	\$0		Daily	y Total	\$29,027	
-	ts: Drilling		505,201		npletion	\$0		-	Total	\$505,201	
MD	6,734	TVD	6,734	Progress	1,290	Days	3	MW	10.1	Visc	35.0
Formation	n:		<b>PBTD</b> : 0.	O		Perf :			PKR Dep	oth: 0.0	
Activity a	t Report Ti	ne: DRII	LLING @ 6734'						-		
Start	End	Hrs	Activity Descr	ription							
06:00	16:00	10.0	DRILL 5444' –	6067'. WOB 1	5–22K, RPN	M 50-65/73, S	SPP 2300 PSI	I, DP 300 PS	I, ROP 62 FPI	H.	
			LOST APPROX	350 BBLS DR	RILLING M	UD.					
			CHAPITA WEL	LS @ 5553'.							
16:00	16:30	0.5	RIG SERVICE.	CHECK COM							
16:30	06:00	13.5	DRILL 6067' –	6734'. SAME	PARAMET	ERS, ROP 49	FPH.				
			FULL CREWS,		VTS.						
			BUCK CANYO								
					NING SUF	B, MIXING C	HEMICALS.				
			SAFETY MEET								
			FUEL – 3192, U	JSED – 2280(5	0/50 BLEN	D).					
	44 =		FUEL – 3192, U MW – 10.7 PPC	JSED – 2280(5 5, VIS – 34 SPO	0/50 BLEN	D).					
01-09-20		ported l	FUEL – 3192, U MW – 10.7 PPC By PA	JSED – 2280(5 6, VIS – 34 SPO Τ CLARK	0/50 BLEN Q, NO LOS	D). SES OVERNI				م م	
DailyCost	ts: Drilling	\$	FUEL – 3192, U MW – 10.7 PPC <b>By</b> PA 54,369	USED – 2280(5 6, VIS – 34 SPC T CLARK	0/50 BLEN Q, NO LOSS mpletion	D). SES OVERNI \$0		_	y Total	\$54,369	
DailyCost		\$	FUEL – 3192, U MW – 10.7 PPC <b>By</b> PA 54,369 559,570	USED – 2280(5 6, VIS – 34 SPC T CLARK	0/50 BLEN Q, NO LOSS mpletion mpletion	D). SES OVERNI		_	y Total Total	\$54,369 \$559,570	
DailyCost Cum Cost MD	ts: Drilling 7,160	\$	FUEL – 3192, U MW – 10.7 PPC By PA 54,369 559,570 7,160	JSED – 2280(5 5, VIS – 34 SPO T CLARK Con Con Progress	0/50 BLEN Q, NO LOSS mpletion	D). SES OVERNI \$0 \$0 Days		_	<b>Total</b> 10.8	\$559,570 <b>Visc</b>	39.0
DailyCost	ts: Drilling 7,160	\$ \$	FUEL – 3192, U MW – 10.7 PPC <b>By</b> PA 54,369 559,570	JSED – 2280(5 5, VIS – 34 SPO T CLARK Con Con Progress	0/50 BLEN Q, NO LOSS mpletion mpletion	D). SES OVERNI \$0 \$0	GHT.	Well	Total	\$559,570 <b>Visc</b>	39.0

 $9.0\ \ DRILL\ 6734'-6974'.\ WOB\ 20-24K,\ RPM\ 45-60/67,\ SPP\ 2300\ PSI,\ DP\ 300\ PSI,\ ROP\ 27\ FPH.$ 

Start

06:00

End

15:00

Hrs

**Activity Description** 

NORTH HORN @ 6825'.

15:00	16:00	1 0 CIRCIII ATE	AND CONDITION MUD F		D SHBWE	ווע עוארוע וע ץ	I		
13.00	10.00		E. SET COM FOR TRIPPIN		A SURVE	i, i Own i ii.	L.		
16:00	20:00		/4" REAMERS, BIT. RETRI		7 = 2 63 DE	EG.			
20:00	22:30	2.5 P/U 7 7/8" BI		EVESCIVEI	2.03 DE				
22:30	23:00		REAM 55' TO BOTTOM.						
23:00	06:00		– 7160'. WOB 10–20K, RP	M 55/71, SPP 2	300 PSI, D	P 300 PSI, R	OP 27 FPH.		
			,	,	,	,			
		FULL CREW	S, NO ACCIDENTS, BOP I	RILL DAYLIC	GHTS.				
			ETINGS – TRIPPING, KEL						
			, DEL – 8000, USED – 1730	`	•				
			PG, VIS – 38 SPQ, LOST 65	BBLS ON TR	IP.				
01-10-20	11 Re	eported By	PAT CLARK						
DailyCosts: Drilling		\$29,152	Completion	\$0		Daily	y Total	\$29,152	
Cum Cost	ts: Drilling	\$588,723	Completion	\$0		Well	Total	\$588,723	
MD	8,205	<b>TVD</b> 8,205	Progress 1,045	Days	5	MW	11.2	Visc	36.0
Formation	n:	PBTD:	0.0	Perf:			PKR De	<b>pth:</b> 0.0	
Activity a	t Report Ti	me: DRILLING @ 820	5'						
Start	End	Hrs Activity Des	scription						
06:00	14:00	8.0 DRILL 7160'	– 7526'. WOB 15–22K, RPI	M 50–60/71, SI	PP 2300 PS	I, DP 300 PS	SI, ROP 46 FP	H.	
06:00 14:00	14:00 14:30	8.0 DRILL 7160' 0.5 RIG SERVIC	ŕ	M 50–60/71, SI	PP 2300 PS	I, DP 300 PS	SI, ROP 46 FP	Н.	
		0.5 RIG SERVIC 15.5 DRILL 7526' KMV PRICE	E. CHECK COM.  – 8205'. SPP 2400 PSI, DP. RIVER @ 7530'.	,		,	,	н.	
14:00	14:30	0.5 RIG SERVIC 15.5 DRILL 7526' KMV PRICE FULL CREW SAFETY ME FUEL – 6954	E. CHECK COM. – 8205'. SPP 2400 PSI, DP	300 PSI, ALL C CK, SAFE DRI' ID).	OTHER PA	RAMETERS	SSAME.		
14:00	14:30 06:00	0.5 RIG SERVIC 15.5 DRILL 7526' KMV PRICE FULL CREW SAFETY ME FUEL – 6954 CURRENT M	E. CHECK COM.  – 8205'. SPP 2400 PSI, DP RIVER @ 7530'.  S, NO ACCIDENTS.  ETINGS – FIRST DAY BAC , USED – 2508(50/50 BLEN	300 PSI, ALL C CK, SAFE DRI' ID).	OTHER PA	RAMETERS	SSAME.		
14:00 14:30 01-11-20	14:30 06:00	0.5 RIG SERVIC 15.5 DRILL 7526' KMV PRICE FULL CREW SAFETY ME FUEL – 6954 CURRENT M	E. CHECK COM.  – 8205'. SPP 2400 PSI, DP RIVER @ 7530'.  S, NO ACCIDENTS.  ETINGS – FIRST DAY BAC,  USED – 2508(50/50 BLEN)  W – 11.1 PPG, VIS 39 SPQ	300 PSI, ALL C CK, SAFE DRI' ID).	OTHER PA	RAMETERS P DRILL MO	SSAME.		
14:00 14:30 01–11–20 DailyCost	14:30 06:00	0.5 RIG SERVICE 15.5 DRILL 7526' KMV PRICE FULL CREW SAFETY ME FUEL – 6954 CURRENT ME	E. CHECK COM.  – 8205'. SPP 2400 PSI, DP RIVER @ 7530'.  S, NO ACCIDENTS.  ETINGS – FIRST DAY BAC, USED – 2508(50/50 BLENIW – 11.1 PPG, VIS 39 SPQ	300 PSI, ALL C CK, SAFE DRI ID). , NO LOSSES.	OTHER PA	RAMETERS P DRILL MO	S SAME.	r.	
14:00 14:30 01–11–20 DailyCost	14:30 06:00 11 Re	0.5 RIG SERVIC. 15.5 DRILL 7526' KMV PRICE  FULL CREW SAFETY ME FUEL – 6954 CURRENT M  Prorted By \$28,708	E. CHECK COM.  – 8205'. SPP 2400 PSI, DP RIVER @ 7530'.  S, NO ACCIDENTS.  ETINGS – FIRST DAY BAC,  USED – 2508(50/50 BLEN)  W – 11.1 PPG, VIS 39 SPQ  PAT CLARK  Completion	300 PSI, ALL C CK, SAFE DRI ID). , NO LOSSES. \$6,523	OTHER PA	RAMETERS P DRILL MO	S SAME.  DRNING TOU  y Total	\$35,231	40.0
14:00 14:30 01–11–20 DailyCost Cum Cost	14:30 06:00 11 Res: Drilling ts: Drilling 9,185	0.5 RIG SERVICE 15.5 DRILL 7526' KMV PRICE  FULL CREW SAFETY ME FUEL – 6954 CURRENT ME Ported By \$28,708 \$617,431	E. CHECK COM.  – 8205'. SPP 2400 PSI, DP RIVER @ 7530'.  S, NO ACCIDENTS.  ETINGS – FIRST DAY BAC,  USED – 2508(50/50 BLENIW – 11.1 PPG, VIS 39 SPQ  PAT CLARK  Completion  Completion  Progress 980	300 PSI, ALL C CK, SAFE DRI ID). , NO LOSSES. \$6,523 \$6,523	OTHER PA	P DRILL MC  Daily  Well	S SAME.  DRNING TOU  y Total  Total	\$35,231 \$623,954 <b>Visc</b>	40.0
14:00 14:30 01–11–20 DailyCost Cum Cost MD	14:30 06:00 11 Ress: Drilling ts: Drilling 9,185 n:	0.5 RIG SERVIC. 15.5 DRILL 7526' KMV PRICE  FULL CREW SAFETY ME FUEL – 6954 CURRENT M Ported By \$28,708 \$617,431  TVD 9,185	E. CHECK COM.  – 8205'. SPP 2400 PSI, DP RIVER @ 7530'.  S, NO ACCIDENTS.  ETINGS – FIRST DAY BAC, USED – 2508(50/50 BLENIW – 11.1 PPG, VIS 39 SPQ PAT CLARK  Completion Completion Progress 980  0.0	300 PSI, ALL (CCK, SAFE DRI') (D). , NO LOSSES. \$6,523 \$6,523 <b>Days</b>	OTHER PA	P DRILL MC  Daily  Well	S SAME.  DRNING TOU  Y Total  Total  11.0	\$35,231 \$623,954 <b>Visc</b>	40.0
14:00 14:30  01–11–20  DailyCost Cum Cost MD  Formation Activity a	14:30 06:00 11 Ress: Drilling ts: Drilling 9,185 n:	0.5 RIG SERVICE 15.5 DRILL 7526' KMV PRICE  FULL CREW SAFETY ME FUEL – 6954 CURRENT M  Ported By \$28,708 \$617,431  TVD 9,185 PBTD:	E. CHECK COM.  – 8205'. SPP 2400 PSI, DP RIVER @ 7530'.  S, NO ACCIDENTS.  ETINGS – FIRST DAY BAC, USED – 2508(50/50 BLENIW – 11.1 PPG, VIS 39 SPQ  PAT CLARK  Completion Completion Progress 980  0.0  5'	300 PSI, ALL (CCK, SAFE DRI') (D). , NO LOSSES. \$6,523 \$6,523 <b>Days</b>	OTHER PA	P DRILL MC  Daily  Well	S SAME.  DRNING TOU  Y Total  Total  11.0	\$35,231 \$623,954 <b>Visc</b>	40.0
14:00 14:30  14:30  DailyCost Cum Cost MD  Formation Activity a	14:30 06:00 11 Res: Drilling ss: Drilling 9,185 n: t Report Ti	0.5 RIG SERVICE 15.5 DRILL 7526' KMV PRICE  FULL CREW SAFETY ME FUEL – 6954 CURRENT M POPORTED 1  \$28,708 \$617,431  TVD 9,185 PBTD: me: DRILLING @ 9185 Hrs Activity Des	E. CHECK COM.  – 8205'. SPP 2400 PSI, DP RIVER @ 7530'.  S, NO ACCIDENTS.  ETINGS – FIRST DAY BAC, USED – 2508(50/50 BLENIW – 11.1 PPG, VIS 39 SPQ  PAT CLARK  Completion Completion Progress 980  0.0  5'	300 PSI, ALL C CK, SAFE DRI ID). , NO LOSSES. \$6,523 \$6,523 <b>Days</b> <b>Perf</b> :	OTHER PA	P DRILL MC  Daily  Well  MW	y Total  Total  11.0  PKR Dep	\$35,231 \$623,954 <b>Visc</b> <b>pth:</b> 0.0	40.0
14:00 14:30  01-11-20  DailyCost Cum Cost MD  Formation Activity a	14:30 06:00 11 Res. Drilling is: Drilling 9,185 in: t Report Tite	0.5 RIG SERVICE  15.5 DRILL 7526' KMV PRICE  FULL CREW SAFETY ME FUEL – 6954 CURRENT M  POOR BY  \$28,708 \$617,431  TVD 9,185 PBTD: me: DRILLING @ 918:  Hrs Activity De: 8.5 DRILL 8205'	E. CHECK COM.  – 8205'. SPP 2400 PSI, DP RIVER @ 7530'.  S, NO ACCIDENTS.  ETINGS – FIRST DAY BAC,  USED – 2508(50/50 BLENTW – 11.1 PPG, VIS 39 SPQ)  PAT CLARK  Completion  Completion  Progress 980  0.0  5;  scription	300 PSI, ALL C CK, SAFE DRI ID). , NO LOSSES. \$6,523 \$6,523 <b>Days</b> <b>Perf</b> :	OTHER PA	P DRILL MC  Daily  Well  MW	y Total  Total  11.0  PKR Dep	\$35,231 \$623,954 <b>Visc</b> <b>pth:</b> 0.0	40.0
14:00 14:30  01-11-20  DailyCost Cum Cost MD  Formation Activity a	14:30 06:00 11 Res. Drilling is: Drilling 9,185 in: t Report Tite	0.5 RIG SERVICE  15.5 DRILL 7526' KMV PRICE  FULL CREW SAFETY ME FUEL – 6954 CURRENT M  POOR BY  \$28,708 \$617,431  TVD 9,185 PBTD: me: DRILLING @ 918:  Hrs Activity De: 8.5 DRILL 8205'	E. CHECK COM.  - 8205'. SPP 2400 PSI, DP RIVER @ 7530'.  S, NO ACCIDENTS.  ETINGS - FIRST DAY BAC,  USED - 2508(50/50 BLENIW - 11.1 PPG, VIS 39 SPQ)  PAT CLARK  Completion  Completion  Progress 980  0.0  5'  Scription  - 8626'. WOB 15-22K, RPICE RIVER @ 8370'.	300 PSI, ALL C CK, SAFE DRI ID). , NO LOSSES. \$6,523 \$6,523 <b>Days</b> <b>Perf</b> :	OTHER PA	P DRILL MC  Daily  Well  MW	y Total  Total  11.0  PKR Dep	\$35,231 \$623,954 <b>Visc</b> <b>pth:</b> 0.0	40.0
14:00 14:30  14:30  01–11–20  Daily Cost MD  Formation Activity a  Start 06:00	14:30 06:00 11 Res: Drilling ss: Drilling 9,185 n: t Report Tit End 14:30	0.5 RIG SERVICE 15.5 DRILL 7526' KMV PRICE  FULL CREW SAFETY ME FUEL – 6954 CURRENT M POPORTED 1  \$28,708 \$617,431  TVD 9,185 PBTD: me: DRILLING @ 918: Hrs Activity Des 8.5 DRILL 8205' MIDDLE PRI 0.5 RIG SERVICE	E. CHECK COM.  - 8205'. SPP 2400 PSI, DP RIVER @ 7530'.  S, NO ACCIDENTS.  ETINGS - FIRST DAY BAC,  USED - 2508(50/50 BLENIW - 11.1 PPG, VIS 39 SPQ)  PAT CLARK  Completion  Completion  Progress 980  0.0  5'  Scription  - 8626'. WOB 15-22K, RPICE RIVER @ 8370'.	300 PSI, ALL C CK, SAFE DRI ID). , NO LOSSES. \$6,523 \$6,523 <b>Days</b> <b>Perf:</b>	OTHER PA VING. BOI 6 PP 2450 PS	P DRILL MO  Daily  Well  MW	y Total  Total  11.0  PKR Dep	\$35,231 \$623,954 <b>Visc</b> <b>pth:</b> 0.0	40.0
14:00 14:30 14:30 DailyCost Cum Cost MD Formation Activity a Start 06:00	14:30 06:00 11 Res: Drilling 18: Drilling 9,185 11: 11: 12: 13: 14: 14: 14: 14: 14: 14: 14: 14: 14: 14	0.5 RIG SERVICE 15.5 DRILL 7526' KMV PRICE  FULL CREW SAFETY ME FUEL – 6954 CURRENT M POORTED 9,185 PBTD: me: DRILLING @ 9183  Hrs Activity Des 8.5 DRILL 8205' MIDDLE PRI 0.5 RIG SERVICE 15.0 DRILL 8626'	E. CHECK COM.  - 8205'. SPP 2400 PSI, DP RIVER @ 7530'.  S, NO ACCIDENTS.  ETINGS - FIRST DAY BAC, USED - 2508(50/50 BLENIW - 11.1 PPG, VIS 39 SPQ)  PAT CLARK  Completion  Completion  Progress 980  0.0  5'  Scription  - 8626'. WOB 15-22K, RPICE RIVER @ 8370'.  E. CHECK COM.  - 9185'. WOB 18-22K, RPICE RIVER @ 1850'.	300 PSI, ALL C CK, SAFE DRI ID). , NO LOSSES. \$6,523 \$6,523 <b>Days</b> <b>Perf:</b>	OTHER PA VING. BOI 6 PP 2450 PS	P DRILL MO  Daily  Well  MW	y Total  Total  11.0  PKR Dep	\$35,231 \$623,954 <b>Visc</b> <b>pth:</b> 0.0	40.0
14:00 14:30 14:30 DailyCost Cum Cost MD Formation Activity a Start 06:00	14:30 06:00 11 Ress: Drilling 9,185 n: t Report Tine End 14:30 15:00	0.5 RIG SERVICE  15.5 DRILL 7526' KMV PRICE  FULL CREW SAFETY ME FUEL – 6954 CURRENT M  POPORTED BY  \$28,708 \$617,431  TVD 9,185 PBTD: me: DRILLING @ 918:  Hrs Activity Des 8.5 DRILL 8205' MIDDLE PRI 0.5 RIG SERVICE 15.0 DRILL 8626' LOWER PRIO	E. CHECK COM.  - 8205'. SPP 2400 PSI, DP. RIVER @ 7530'.  S, NO ACCIDENTS.  ETINGS - FIRST DAY BAC.  , USED - 2508(50/50 BLENIW - 11.1 PPG, VIS 39 SPQ.  PAT CLARK  Completion Completion Progress 980  0.0  5'  SCRIPTION  - 8626'. WOB 15-22K, RPICE RIVER @ 8370'.  E. CHECK COM.  - 9185'. WOB 18-22K, RPICE RIVER @ 9138'.	300 PSI, ALL CCK, SAFE DRITIO). , NO LOSSES. \$6,523 \$6,523 <b>Days Perf:</b> M 45–60/71, SI	OTHER PA VING. BOI  6 PP 2450 PS	P DRILL MO  Daily  Well  MW	y Total  Total  11.0  PKR Dep	\$35,231 \$623,954 <b>Visc</b> <b>pth:</b> 0.0	40.0
14:00 14:30 14:30 14:30 14:30 14:30	14:30 06:00 11 Ress: Drilling 9,185 n: t Report Tine End 14:30 15:00	0.5 RIG SERVICE  15.5 DRILL 7526' KMV PRICE  FULL CREW SAFETY ME FUEL – 6954 CURRENT M  POORTED BY  \$28,708 \$617,431  TVD 9,185  PBTD:  me: DRILLING @ 9185  Hrs Activity Des 8.5 DRILL 8205' MIDDLE PRI 0.5 RIG SERVICE 15.0 DRILL 8626'  LOWER PRICE FULL CREW	E. CHECK COM.  - 8205'. SPP 2400 PSI, DP RIVER @ 7530'.  S, NO ACCIDENTS.  ETINGS - FIRST DAY BAC, USED - 2508(50/50 BLENIW - 11.1 PPG, VIS 39 SPQ)  PAT CLARK  Completion  Completion  Progress 980  0.0  5'  Scription  - 8626'. WOB 15-22K, RPICE RIVER @ 8370'.  E. CHECK COM.  - 9185'. WOB 18-22K, RPICE RIVER @ 1850'.	300 PSI, ALL (CCK, SAFE DRI'ID). , NO LOSSES. \$6,523 \$6,523 <b>Days Perf</b> :  M 45–60/71, SI	OTHER PA VING. BOI  6 PP 2450 PS PP 2550 PS GHTS.	P DRILL MO  Daily  Well  MW	y Total  Total  11.0  PKR Dep	\$35,231 \$623,954 <b>Visc</b> <b>pth:</b> 0.0	40.0

#### CURENT MW - 11.4 PPG, VIS - 40 SPO. NO SIGNIFICANT LOSSES.

04.42.20			RENT MW -		5 – 40 SFQ	, NO SIGNIFI	CANT LOS	SES.			
01-12-201		eported By		T CLARK		4.0			<b></b>	<b></b>	
DailyCosts		\$44,8			pletion	\$0		•	y Total	\$44,892	
Cum Costs	_	\$662,			pletion	\$6,523			Total	\$668,847	
MD	9,880	TVD	9,880	Progress	695	Days	7	MW	11.45	Visc	45.0
Formation			<b>PBTD</b> : 0.0	)		Perf:			PKR Dep	<b>oth:</b> 0.0	
Activity at	Report Ti	me: DRILLIN	1G @ 9880'								
Start	End		tivity Descr	•							
06:00	14:30			9532'. WOB 18		M 50–60/71, S	PP 2550 PS	I, DP 350 PS	I, ROP 41 FPI	<del>I</del> .	
14:30	15:00			CHECK COM.		EDG DOD 22	EDIT				
15:00	06:00			9880'. SAME F			FPH.				
		SEC	JO @ 9044 ,	CASTLEGATI	E @ 9810 .						
		FU!	LL CREWS.	NO ACCIDEN	TS.						
				INGS – COLD		R, SCRUBBII	NG.				
				SED – 2176, D							
		CU	RRENT MW	– 11.4 PPG, V	IS – 42 SP	Q, NO LOSSI	ES.				
01-13-201	1 Re	eported By	PA	Γ CLARK/KIT	HATFIEL	D					
DailyCosts	: Drilling	\$29,9	62	Con	pletion	\$0		Dail	y Total	\$29,962	
Cum Costs	s: Drilling	\$692,	287	Con	pletion	\$6,523		Well	Total	\$698,810	
MD	10,165	TVD	10,165	Progress	285	Days	8	MW	11.5	Visc	42.0
Formation	:		<b>PBTD</b> : 0.0	)		Perf:			PKR Dep	oth: 0.0	
Activity at	Report Ti	me: DRILLIN	NG @ 10165'								
Start	End	Hrs Ac	tivity Descr	iption							
06:00	07:00	1.0 DR	ILL 9880' – 9	9888'. WOB 22	K, RPM 5	5/71, SPP 2600	) PSI, DP 15	0 PSI, ROP	8 FPH.		
07:00	08:00	1.0 CIF	RCULATE FO	OR TRIP. DROI	P SURVEY	, PUMP PILL					
08:00	13:00			CHANGE OU LE. PICKED U						HAD TITE SP	OT AT 5476
		SU	RVEY @ 980	8' = 2 1/4 DEC	REES.						
13:00	14:00	1.0 CU	T DRILLING	LINE.							
14:00	17:30		NTINUE TRI TTOMS UP.	IP IN HOLE. P	RECAUTI	ONARY WAS	H LAST 65	TO BTM. I	HAD MODER	ATE 30' FLAR	E ON
17:30	06:00	300		8–10165' (277' CASTLEGATI	*						
		FU	LL CREWS /	NO ACCIDEN	ITS. SAFI	ETY MEETIN	GS: CUTTII	NG DRILLIN	NG LINE. WO	RKING WITH	STEAM
				NO ACCIDEN L / USED 2052		ETY MEETIN	GS: CUTTII	NG DRILLIN	NG LINE. WO	RKING WITH	STEAM
01-14-201	1 Re		EL=4332 GA			ETY MEETIN	GS: CUTTII	NG DRILLIN	NG LINE. WO	RKING WITH	STEAM
		FU	EL=4332 GA KI	L / USED 2052 T HATFIELD		ETY MEETING	GS: CUTTII		ng Line. Wo	RKING WITH	STEAM
01–14–201 DailyCosts Cum Costs	: Drilling	FUI	EL=4332 GA KI 67	L / USED 2052 T HATFIELD <b>Con</b>	2 GAL.		GS: CUTTII	Dail			STEAM
DailyCosts	: Drilling	FUI eported By \$48,4	EL=4332 GA KI 67	L / USED 2052 T HATFIELD <b>Con</b>	2 GAL.	\$0	GS: CUTTII	Dail	y Total	\$48,467	STEAM 41.0

06:00 13:30 14:00	13:30 14:00 06:00		15-20K, ROTAF	*	7') AVG 24	FPH_INST_P_	RATES E	HCTHATE	DETENTA	C AND CO EDII	WOD_
		0.5	7.5 DRILLING: 10165–10342' (177') AVG 24 FPH. INST. P–RATES FLUCTUATE BETWEEN 15 AND 50 FPH. WOB= 15–20K, ROTARY= 30 TABLE/ 70 MTR. 400 GPM, 2650 PSI W/ 300 PSI DIFF. BLACKHAWK PROGRAM TOP @ 10206'.								
14:00	06:00	0.5	RIG SERVICE.								
		16.0	DRILLING: 103	342–10662' (320	)') AVG 20	FPH.TD = 1066	62'.				
			PARAMETERS 00 HRS, 1/14/11		W = 11.7 l	PPG. NO APPAI	RENT CO	NNECTION	GAS AT FLA	RE. REACHED	TD AT 06:
			SAFETY MEET FULL CREWS,			CES, WORKING	G IN COL	D. FUEL = 6	156 GAL / U	SED 2176.	
01-15-20	)11 Re	eported I	By KI	T HATFIELD							
DailyCost	ts: Drilling	_	42,362	Com	pletion	\$144,902		Daily	Total	\$187,264	
-	ts: Drilling		783,116		pletion	\$151,425		Well		\$934,541	
MD	10,662	TVD	10,662		0		10	MW	11.7	Visc	47.0
Formation	,	110	<b>PBTD</b> : 0.0	Progress	U	Days Perf :	10	IVI VV			47.0
		mo• CEM	IENTING 4.5" CA			ren:			PKR Dep	<b>Jun :</b> 0.0	
•	-										
Start	End		Activity Descr	•	D AND CH	OUT ATTE OUT	NO ADA	IODMAN CA	unica on c	N. ITTEN I.C.C.	
06:00	07:30		PUMP 50 BBLS							CUTTINGS.	
07:30	09:00		SHORT TRIP O							0 DICUDIAN	DOWN
09:00	11:30	2.5 CIRCULATE BOTTOMS UP. NO FLARE. HOLD SAFETY MEETING W/ WEATHERFORD & RIG UP LAYDOWN MACHINE.									
11:30	17:30		6.0 TRIP OUT LAYING DOWN DRILL PIPE.								
17:30	18:00	0.5	PULL WEAR R	ING.							
18:00	00:30		HOLD JOB DIS PRODUCTION @ 10652', FLOA	CASING. RUN	254 JOIN	TS 4 1/2" 11.6#	HCP-110	LT&C CASI	NG TO TD @	10652'. FLO	
00:30	01:30	1.0	CIRCULATE. R	IG DOWN CAS	SING CRE	W. HAD LAZY	7 15' FLA	RE FOR ABO	OUT 10 MINU	JTES ON BTMS	S UP.
01:30	06:00		CIRCULATE. W ABOUT 10 MIN THE SAMPLE T TRUCKS ARRI CEMENT.	NUTES. APPAR FO SET PREMA	ENTLY U ATURELY.	SED HIGHBON BLEND/TEST	ID HT IN: NEW LE	STEAD OF R AD CEMENT	EGULAR HI	GHBOND 75 C TO LOCATON.	AUSING BULK
			FULL CREWS / FUEL=4446 GA			ΓΥ MEETINGS	: LAYINO	G DOWN DR	ILL PIPE, RU	INNING CASIN	IG.
01-16-20	11 Re	eported I	By KI	T HATFIELD							
DailyCost	ts: Drilling	\$4	45,084	Com	pletion	\$75,473		Daily	Total	\$120,557	
Cum Cos	ts: Drilling	\$8	828,201	Com	pletion	\$226,898		Well	Total	\$1,055,099	
MD	10,662	TVD	10,662	Progress	0	Days	11	MW	0.0	Visc	0.0
Formation	n:		<b>PBTD</b> : 0.	0		Perf:			PKR Dep	oth: 0.0	
Activity a	t Report Ti	me: RDR	T/WO COMPLE	TION							
Start	End	Hrs	Activity Descr	ription							
06:00	06:30		HOLD SAFETY	=	REPARE T	O CEMENT.					

06:30	10:30	] ] ] ]	HIGHBOND LE PPG. WASH UI PRESSURE 320 DISPLACEMEN BBLSGONE. F	EAD CEMENT P AND DROP L 10 PSI. BUMP F NT GONE, STII INISHED DISF	@ 12.0 PI ATCH DO PLUG W/4 LL GETTI PLACEME	OWN PLUG. DI 200 PSI. FLOA NG GOOD LIFT	TH 1850 SPLACEI I'S HELD I' PRESSU VITH ABO	SX (484 BE D WITH 165 . LOST RE JRE. REGA	LS.) EXTEND BBLS FRESH FURNS WITH INED PARTIA	DACEM CEMEN H WATER @ 6 B	PM, MAX
		,	JUNIACE. CE.	WIENT INTEA	CLAI 10.,	50 HKS, 1/15/11	•				
10:30	11:30	1.0	WOC. CLEAN	PITS. BEGIN F	RIGGING	DOWN HALLIF	BURTON.				
11:30	12:00		RIG DOWN HA			HEAD. BACK C	OUT LAN	DING JOIN	T. SET FMC P.	ACKOFF AND T	TEST TO
12:00	14:00	2.0	TRANSFER MU	JD TO STORA	GE. CLEA	N OUT PREMI	X AND A	CTIVE PITS	S WITH SUPE	R SUCKER.	
14:00	06:00		6.0 RIG DOWN. PREPARE TO MOVE TO STAGECOACH 112–20. MOVE IS ABOUT 2 1/2 MILE. WILL HAVE TRUCKS 07:00 HRS 1/16/11.								
		:	SAFETY MEET	INGS: CEMEN	TING. RI	GGING DOWN	. FULL C	REWS / NO	ACCIDENTS		
		]	DIESEL= 2166	GAL, USED 23	00 GAL.						
		]	E-MAILED BL	M NOTIFICAT	ION FOR	BOP TEST ON	STAGECO	OACH 112-	20 @ 14:00 HF	RS 1/15/11.	
		]	LEFT PHONE I	MESSAGE FOR	CAROL	DANIELS W/ U	DOGM A	Γ SAME TII	ME.		
		]	X–FER 4 JTS 4	1/2" CASING ,	3 PUP JO	INT 4 1/2" CAS	ING, ANI	2166 GAL	DIESEL.		
			TOTAL DIESEI	L USED ON TH	IS WELL	= 22650 GAL.					
06:00			RIG RELEASE			11					
			CASING POIN	-	02						
01-18-20	11 Re	ported B	y SE	ARLE							
DailyCost	s: Drilling	\$0		Con	pletion	\$30,300		Dail	ly Total	\$30,300	
Cum Cost	s: Drilling	\$8:	28,201	Con	pletion	\$257,198		Wel	l Total	\$1,085,399	
MD	10,662	TVD	10,662	Progress	0	Days	12	MW	0.0	Visc	0.0
Formation	1:		<b>PBTD</b> : 10	0606.0		Perf:			PKR De <sub>l</sub>	<b>pth:</b> 0.0	
Activity a	t Report Tiı	ne: PREP	FOR FRACS								
Start	End	Hrs	Activity Descr	ription							
06:00	06:00		MIRU SCHLUM RD SCHLUMB		G WITH R	ST/CBL/CCL/V	DL/GR F	ROM 10496	5' TO 1000'. ES	ST CEMENT TO	P @ 1370'.
02-01-20	11 Re	ported B	y Mo	CCURDY							
DailyCost	s: Drilling	\$0		Con	pletion	\$1,733		Dail	ly Total	\$1,733	
Cum Cost	s: Drilling	\$8:	28,201	Con	pletion	\$258,931		Wel	l Total	\$1,087,132	
MD	10,662	TVD	10,662	Progress	0	Days	13	$\mathbf{M}\mathbf{W}$	0.0	Visc	0.0
Formation	1:		<b>PBTD</b> : 10			Perf :			PKR De	oth: 0.0	
		ne: WO C	COMPLETION						-1	•	
Start	End		Activity Descr	ription							
06:00	06:00		-	=	JRE TEST	ED FRAC TRE	E & CASI	NG TO 850	0 PSIG. WO C	OMPLETION.	

02-10-2011	1 Re	eported By	M	CCURDY							
DailyCosts:	Drilling	\$0		Com	pletion	\$18,433		Daily '	Total	\$18,433	
Cum Costs:	: Drilling	\$828,	201	Com	pletion	\$277,364		Well T	otal	\$1,105,566	
MD	10,662	TVD	10,662	Progress	0	Davs	14	MW	0.0	Visc	0.0

Formation: BLACKHAWK / **PBTD**: 10606.0 **Perf**: 8782'-10437' **PKR Depth**: 0.0

MESAVERDE

Activity at Report Time: FRAC STAGE #5

Start End Hrs Activity Description

06:00 06:00 24.0 FRAC TANKS PRE MIXED W/ BIOCIDE (75) @ .05 GAL/M, WSI SCALE INHIBITOR (3730) @ 1 GAL/M.

STAGE 1. MIRU CUTTERS WIRELINE & PERFORATE BLACKHAWK FROM 10269'-70', 10277'-78', 10292'-93', 10297'-98', 10302'-03', 10310'-11', 10317'-18', 10324'-25', 10328'-29', 10360'-61', 10373'-74', 10383'-84', 10424'-25', 10436'-37' @ 2 SPF & 180 DEGREE PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING W/30 GAL BIOCIDE (AQUAR GA 50), 7411 GAL 16# LINEAR W/9500# 20/40 SAND @ 1-1.5 PPG, 47321 GAL 16# DELTA 200 W/161700# 20/40 SAND @ 2-5 PPG. MTP 7925 PSIG. MTR 51.2 BPM. ATP 6452 PSIG. ATR 47.4 BPM. ISIP 4207 PSIG. RD HALLIBURTON.

STAGE 2. RUWL. SET 10K CFP AT 9650'. PERFORATE LPR FROM 9389'-90', 9426'-27', 9432'-33', 9439'-40', 9446'-47', 9463'-64', 9471'-72', 9477'-78', 9495'-96', 9506'-07', 9574'-75', 9594'-95', 9608'-09', 9616'-17' @ 2 SPF & 180 DEGREE PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING W/30 GAL BIOCIDE (AQUAR GA 50), 7412 GAL 16# LINEAR W/9500# 20/40 SAND @ 1–1.5 PPG, 44860 GAL 16# DELTA 200 W/156400# 20/40 SAND @ 2–5 PPG. MTP 7870 PSIG. MTR 50.8 BPM. ATP 5798 PSIG. ATR 48.7 BPM. ISIP 3128 PSIG. RD HALLIBURTON.

STAGE 3. RUWL. SET 10K CFP AT 9346'. PERFORATE MPR/LPR FROM 9038'-39', 9051'-52', 9057'-58', 9077'-78', 9097'-98', 9125'-26', 9137'-38', 9148'-49', 9174'-75', 9256'-57', 9286'-87', 9304'-05', 9322'-23', 9328'-29'@ 2 SPF & 180 DEGREE PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING W/30 GAL BIOCIDE (AQUAR GA 50), 48087 GAL 16# DELTA 200 W/175200# 20/40 SAND @ 1–5 PPG. MTP 7785 PSIG. MTR 49.4 BPM. ATP 5333 PSIG. ATR 49.4 BPM. ISIP 3266 PSIG. RD HALLIBURTON.

STAGE 4. RUWL. SET 10K CFP AT 9022'. PERFORATE MPR FROM 8782'-83', 8791'-92', 8804'-05', 8814'-15', 8837'-38', 8844'-45', 8876'-77', 8884'-85', 8924'-25', 8944'-45', 8950'-51', 8991'-92', 8998'-99', 9005'-06' @ 2 SPF & 180 DEGREE PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING W/30 GAL BIOCIDE (AQUAR GA 50), 7446 GAL 16# LINEAR W/9600# 20/40 SAND @ 1-1.5 PPG, 46527 GAL 16# DELTA 200 W/162200# 20/40 SAND @ 2-5 PPG. MTP 8217 PSIG. MTR 51 BPM. ATP 5903 PSIG. ATR 47.9 BPM. ISIP 3133 PSIG. RD HALLIBURTON. SWIFN.

02-11-2011	Rep	orted By	Mo	CCURDY							
DailyCosts: Dri	lling	\$0		Con	pletion	\$366,778		Daily	Total	\$366,778	
Cum Costs: Dri	lling	\$828	,201	Con	pletion	\$644,142		Well	Total	\$1,472,344	
<b>MD</b> 10.	,662	TVD	10,662	Progress	0	Days	15	MW	0.0	Visc	0.0
Formation: BL.	ACKHA	WK /	<b>PBTD</b> : 10	0606.0		<b>Perf</b> : 7532'-	10437'		PKR Dep	oth: 0.0	

MESAVERDE

Start

**Activity at Report Time: FLOW TEST** 

Hrs

**Activity Description** 

End

06:00	06:00	24.0 STAGE 5. SICP 2295 PSIG. RUWL. SET 10K CFP AT 8770'. PERFORATE MPR FROM 8581'-82', 8589'-90',
		8597'-98', 8605'-06', 8614'-15', 8623'-24', 8630'-31', 8676'-77', 8687'-88', 8699'-700', 8711'-12', 8735'-36',
		8744'-45', 8751'-52' @ 2 SPF & 180 DEGREE PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING W/30
		GAL BIOCIDE (AQUAR GA 50), 7488 GAL 16# LINEAR W/9700# 20/40 SAND @ 1-1.5 PPG, 38539 GAL 16# DELTA
		200 W/130500# 20/40 SAND @ 2-5 PPG. MTP 7452 PSIG. MTR 51.5 BPM. ATP 5697 PSIG. ATR 48.6 BPM. ISIP 2505
		PSIG. RD HALLIBURTON.

STAGE 6. RUWL. SET 10K CFP AT 8565'. PERFORATE MPR FROM 8390'-91', 8400'-01', 8407'-08', 8414'-15', 8424'-25', 8430'-31', 8438'-39', 8456'-57', 8501'-02', 8510'-11', 8528'-29', 8534'-35', 8542'-43', 8548'-49' @ 2 SPF & 180 DEGREE PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING W/30 GAL BIOCIDE (AQUAR GA 50), 7306 GAL 16# LINEAR W/9400# 20/40 SAND @ 1-1.5 PPG, 37846 GAL 16# DELTA 200 W/133000# 20/40 SAND @ 2-5 PPG. MTP 7050 PSIG. MTR 50.3 BPM. ATP 5324 PSIG. ATR 48.8 BPM. ISIP 2870 PSIG. RD HALLIBURTON.

DailyCosts: Drilling

\$0

STAGE 7. RUWL. SET 10K CFP AT 8370'. PERFORATE UPR FROM 8043'-44', 8049'-50', 8066'-67', 8076'-77', 8114'-15', 8125'-26', 8135'-36', 8143'-44', 8152'-53', 8166'-67', 8242'-43', 8302'-03', 8310'-11', 8318'-19' @ 2 SPF & 180 DEGREE PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING W/30 GAL BIOCIDE (AQUAR GA 50), 7425 GAL 16# LINEAR W/9500# 20/40 SAND @ 1-1.5 PPG, 44549 GAL 16# DELTA 200 W/158400# 20/40 SAND @ 2–5 PPG. MTP 7425 PSIG. MTR 50.6 BPM. ATP 5388 PSIG. ATR 49.2 BPM. ISIP 2451 PSIG. RD HALLIBURTON.

STAGE 8. RUWL. SET 10K CFP AT 8020'. PERFORATE UPR FROM 7835'-36', 7850'-51', 7855'-56', 7860'-61', 7865'-66', 7915'-16', 7921'-22', 7931'-32', 7945'-46', 7952'-53', 7958'-59', 7985'-86', 7991'-92', 7998'-99' @ 2 SPF & 180 DEGREE PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING W/30 GAL BIOCIDE (AQUAR GA 50), 7411 GAL 16# LINEAR W/9500# 20/40 SAND @ 1-1.5 PPG, 29485 GAL 16# DELTA 200 W/100100# 20/40 SAND @ 2–5 PPG. MTP 6017 PSIG. MTR 50.7 BPM. ATP 5505 PSIG. ATR 48.7 BPM. ISIP 2444 PSIG. RD HALLIBURTON.

STAGE 9. RUWL. SET 10K CFP AT 7805'. PERFORATE UPR FROM 7532'-33', 7543'-44', 7553'-54', 7559'-60', 7589'-90', 7601'-02', 7606'-07', 7611'-12', 7671'-72', 7743'-44', 7750'-51', 7758'-59', 7765'-66', 7783'-84' @ 2 SPF & 180 DEGREE PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING W/30 GAL BIOCIDE (AQUAR GA 50), 7390 GAL 16# LINEAR W/9500# 20/40 SAND @ 1-1.5 PPG, 29623 GAL 16# DELTA 200 W/98100# 20/40 SAND @ 2-5 PPG. MTP 7221 PSIG. MTR 50.7 BPM. ATP 5207 PSIG. ATR 49.1 BPM. ISIP 2057 PSIG. RD HALLIBURTON.

#### FLOWED 9 HRS. 18/64 CHOKE. FCP 1825 PSIG. 92 BFPH. RECOVERED 739 BLW. 11041 BLWTR.

02-12-20	11 R	eported By	MO	CCURDY							
DailyCost	ts: Drilling	\$0		Con	pletion	\$2,256		Daily T	Total	\$2,256	
Cum Cost	ts: Drilling	\$828,2	01	Con	pletion	\$646,398		Well To	otal	\$1,474,600	
MD	10,662	TVD	10,662	Progress	0	Days	16	MW	0.0	Visc	0.0
Formation MESAVER	n: BLACKH DE	IAWK /	<b>PBTD :</b> 10	0606.0		<b>Perf</b> : 7532'-	10437'		PKR De	<b>pth:</b> 0.0	
Activity a	t Report Ti	me: SI									
Start	End	Hrs Acti	vity Desci	ription							
06:00	06:00	24.0 FLO RIG.		S. 18/64" CHOI	KE. FCP 1	550 PSIG. 60 BF	PH. REC	OVERED 297 I	BLW. 1074	4 BLWTR. SI. W	AIT ON
02-16-20	11 R	eported By	HI	SLOP							
DailyCost	ts: Drilling	\$0		Con	pletion	\$3,131		Daily T	Total	\$3,131	
Cum Cost	ts: Drilling	\$828,2	01	Con	pletion	\$649,529		Well To	otal	\$1,477,731	
MD	10,662	TVD	10,662	Progress	0	Days	17	MW	0.0	Visc	0.0
Formation MESAVER	<b>n :</b> BLACKH DE	IAWK /	<b>PBTD</b> : 10	0606.0		<b>Perf</b> : 7532'-	10437'		PKR De	<b>pth:</b> 0.0	
Activity a	t Report Ti	me: FLOW TE	ST TO SAI	LES							
Start	End	Hrs Acti	vity Desci	ription							
06:00	06:00	DOV	VN. POH. R		8" WEIGH					LE TO WORK P . RIH WITH PLU	
				OUGH TEST U VTR. 0 MCFD I		ALES. 18 HRS. 2	20/64" CH	IOKE. FCP 240	0 PSIG. 56	BFPH. RECOVI	ERED 1131
02-17-20	11 R	eported By	HI	SLOP							

\$2,756

**Daily Total** 

\$2,756

Completion

Cum Costs: Drilling \$828,201 Completion \$652,285 Well Total \$1,480,487

**MD** 10,662 **TVD** 10,662 **Progress** 0 **Days** 18 **MW** 0.0 **Visc** 0.0

Formation: BLACKHAWK / **PBTD**: 10606.0 **Perf**: 7532'-10437' **PKR Depth**: 0.0

MESAVERDE

**Activity at Report Time: FLOW TEST TO SALES** 

Start End Hrs Activity Description

06:00 06:00 24.0 FLOWED THROUGH TEST UNIT TO SALES. 24 HRS. 18/64" CHOKE. FCP 2100 PSIG. 41 BFPH. RECOVERED 974

BLW. 8639 BLWTR. 800 MCFD RATE. MED SAND.

Form 3160-4 (August 2007)

## UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB NO. 1004-0137 Expires: July 31, 2010

<b>V</b>				
WELL COMP	LETION OR	RECOMPL	ETION REP	ORT AND LOG

											l l			
	W	ELL C	OMPLE	TION OR	RECOMPLET	TION RE	PORT.	AND I	.OG		1	Lease Serial No.		
······································											Uni	eased		
la. Type of b. Type of	Well Completior	∐Oi n: <b>☑</b> Ne	l Well w Well	✓ Gas Well  ✓ Work Over	Dry Deepen	Other Plug Back	☐ Diff	f. Resvr.	,		Ute	f Indian, Allottee Indian Tribe		
		Otl	her:									Jnit or CA Agree gecoach	ment N	ame and No.
2. Name of EOG Reso	Operator ources, In-	c.									8. L	ease Name and S gecoach Unit 9		).
3. Address	1060 East H						a. Phone 1 435) 781		ude area cod	le)		API Well No. 047-37151		
4. Location			ation cleari	ly and in accor	dance with Federa			-3111				Field and Pool o	r Explo	ratory
A 4	1355' F	SL 686'	FEL (NES	SE) 40.03250	03 Lat., 109.456	3175 Lon.					Nat	ural Buttes		
At surfac	е										111.	Sec., T., R., M., Survey or Area	on Bloc Sec 17,	k and Г9S, R22E, S.L.B.&М.
At top pro	od. interval	reported b	oelow Sar	ne								County or Parish	1	13. State
At total de		е	<sub>1</sub>								Uin			UT
<ol> <li>Date Sp</li> <li>12/16/201</li> </ol>			1	ate T.D. Reache 4/2011	ed		Date Comp		Ready to Proc	1		Elevations (DF,	RKB, I	RT, GL)*
18. Total De	TV		52	19. Pl	T	MD 10,600			20. Depth B		Plug Set:	MD TVD		
			nical Logs I	Run (Submit co	py of each)				22. Was we			,		• •
RST/CBL/					· · ·				Was DS Direction			lo ☐ Yes (Su lo ☐ Yes (Su		
	T			trings set in we	1	Stage C	ementer	No	of Sks. &	S	lurry Vol.			
Hole Size	Size/Gr		/t. (#/ft.)	Top (MD)	Bottom (MD)	De		Туре	of Cement		(BBL)	Cement Top*		Amount Pulled
12.25	9.625/J				2400			675				0	_ _	
8.75	4.5/HCF	2110 11	1.6	<u> </u>	10652			2450		ļ		1370		
									· · · · · ·				_	
									<del></del>			** * .	-	
24. Tubing		2 . 2 . 2 . 2 .												
Size	Depth	Set (MD)	Packer	Depth (MD)	Size	Depth Se	et (MD)	Packer	Depth (MD)		Size	Depth Set (M	(D)	Packer Depth (MD)
25. Produci	ng Intervals	3	L			26. Per	rforation I	Record						
A) Mesave	Formatio	n	750	Тор	Bottom		forated In	terval		Size	No. I	Ioles	P	erf. Status
<del></del>	WC2	,	753	32	10270	7532 to	10270							
C)	mics	)									<del>-   -</del>			
D)						<del></del>	<u>-</u>							
27. Acid, Fi	racture, Tre	atment, C	ement Sque	eeze, etc.										
	Depth Inter	val		202.0.1.0		071000			and Type of I	Materi	al			
7532 to 10	1270		424	,396 Gals G	elled Water & 1,	,351,800#	20/40 Sa	and						
											·			
					· · · · · · · · · · · · · · · · · · ·									
28. Producti		al A												
Date First Produced	Test Date	Hours Tested	Test Producti	Oil ion BBL		Vater BBL	Oil Grav Corr. Al	-	Gas Gravity		Production M Flows Fron			
	03/01/11			60	1664	140	1							
Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL		Vater BL	Gas/Oil Ratio		Well Stat	us				
16/64		1525		60	1664	140								
28a. Produc Date First	tion - Interv Test Date	al B Hours	Test	Oil	Goa to	Inton	loi: c		6	Į.	S. 4			
Produced	rest Date	Tested	Producti	l l		Vater BL	Oil Grav Corr. AF	-	Gas Gravity	1	Production M	ethod		
				•										-IVED
	Tbg. Press.	_	24 Hr.	Oil		Vater	Gas/Oil		Well Stat	us L		R	<u>=C</u> t	IVED
	Flwg. SI	Press.	Rate	BBL	MCF B	BL	Ratio							5 2011
				<u> </u>			1					M	AK	I J LUII
*(See inetr	actions and	concec fo	r additional	1 data on no == /	1)		******							

29h Prod	uction - Inte	I C					<del></del>			
		Hours	Test	Oil	Gas	Water	Oil Gravity	Gas	Production Method	
Produced		Tested	Production	BBL	MCF	BBL	Corr. API	Gravity	Toddenon Weddod	
	ł		-							
Choke	Tbg. Press.	Cea	24 Hr.	Oil	Gas	Water	Gas/Oil	Well Status		
Size	Flwg.	Press.	Rate	BBL	MCF	BBL	Ratio	Well Status		
	SI									
		l		<u> </u>						
	uction - Inte	<del>,</del>	lm .	10.1	la .	h	Tou a			
Date First Produced	l est Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method	
1100000		Tostea	Toddelon	DDL	I''C'	BBE	Con. Air i	Clavity		
	<u> </u>	<u> </u>								
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status		
Size	SI SI	11035.	Rate	DDL	IVICI	BBL	Kano			
								j		
	sition of Gas	s (Solid, use	ed for fuel, ve	nted, etc.)						
Sold										
30. Summ	nary of Poro	us Zones (	Include Aqui	fers):				31. Format	ion (Log) Markers	
			_	•					(=08)	
							drill-stem tests,			
recover		erval testec	i, cushion use	d, time too	ol open, flowir	ng and shut-in p	pressures and	İ		
1000701	1103.									
					·	-				Тор
Form	nation	Top	Bottom		Desc	riptions, Conte	nts, etc.		Name	
										Meas. Depth
Mesaverde		7532	10270					Green River		1526
								20.1.11		
		]						Birds Nest		1862
								Mahogany		2461
			1					Uteland Butt	e	4800
								Wasatch		4925
								Chanita Wall	_	5500
								Chapita Well	S	5528
		1								
								Buck Canyor	ı	6215
		<u> </u>	ļ							<u></u>
32. Additi	onal remark	cs (include	plugging prod	cedure):						
Additiona	al Formatio	on (Log) N	/larkers:							
D . D.		7540								
Price Riv	er rice River	7518 8366								
	ice River	9142								
Sego		9668								
Castlega		9832								
Blackhav	vk	10038								
33. Indica	te which ite	ms have be	en attached by	y placing a	check in the	appropriate box	xes:		· <del></del>	
□ Elec	trical/Mecha	nical Logs (	'I full set rea'	4)	П	Geologic Report	t □DST	Report	☐ Directional Survey	
Sund	Sundry Notice for plugging and cement verification Core Analysis Other:									
34. I herek	y certify the	at the foreg	oing and atta	ched infor	nation is com	plete and corre	ct as determined t	rom all available	ecords (see attached instructions)*	
			helle Roble						(	
N	ани (риеате	Print) Will	11	<u>) ( (</u>			Title Regula			
Si	gnature	MICH	ellet	<b>Yob</b> (	e5_		Date 03/10/2	011		
		1		1 /						
Title 18 II	itle 18 LLS C. Section 1001 and Title 43 LLS C. Section 1212 make it a crime for any person knowingly and willfully to make to any department or agreed of the United States any									

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

# STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

<b>REPORT</b>	OF WATER	<b>ENCOUNTERED</b>	<b>DURING</b>	<b>DRILLING</b>

API number: _	d number: Stagecoach 4304737151		_
		7 Township 9s Range 22E(	County Uintah
	EOG Resources, Inc.		Sounty
Address:	1060 E HWY 40		
		state UT zip 84078	Phone: (435) 781-9111
Drilling contra	ctor: CRAIGS ROUSTA	ABOUT SERVICE	
Address:	PO BOX 41		
	city JENSEN	state UT zip 84035	Phone: (435) 781-1366
Water encoun	tered (attach additional	pages as needed):	
!	DEPTH	VOLUME	QUALITY
	FROM TO	<del></del>	(FRESH OR SALTY)
		No water	
l			
Formation top:	1)		
(Top to Bottom		<i>□</i>	රි
	7	8	9
	7		
(Top to Bottom	7	8 11	12
(Top to Bottom	7	8	12
(Top to Bottom	7 10 has been made of the w	8 11	12
(Top to Bottom	7 10 has been made of the w	88 /ater encountered, please attach a cop	12

	STATE OF UTAH	oe o			FORM 9		
	DEPARTMENT OF NATURAL RESOURCE DIVISION OF OIL, GAS, AND MI		5	<b>5.LEAS</b> U-014	E DESIGNATION AND SERIAL NUMBER: 3459		
SUNDF	RY NOTICES AND REPORTS	S ON	WELLS	6. IF IN	IDIAN, ALLOTTEE OR TRIBE NAME:		
	sals to drill new wells, significantly deepe igged wells, or to drill horizontal laterals.				or CA AGREEMENT NAME: ECOACH		
1. TYPE OF WELL Gas Well				8. WEL SCU 9	L NAME and NUMBER: 4-17		
2. NAME OF OPERATOR: EOG Resources, Inc.					NUMBER: 371510000		
3. ADDRESS OF OPERATOR: 1060 East Highway 40 , Verna			JMBER: xt		<b>D and POOL or WILDCAT:</b> RAL BUTTES		
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1355 FSL 0686 FEL				COUNTY: UINTAH			
QTR/QTR, SECTION, TOWNSHI Qtr/Qtr: NESE Section: 17	IP, RANGE, MERIDIAN: Township: 09.0S Range: 22.0E Meridian:	S		STATE: UTAH			
11. CHE	CK APPROPRIATE BOXES TO INDICA	ATE NA	ATURE OF NOTICE, REPORT	, OR OTI	HER DATA		
TYPE OF SUBMISSION			TYPE OF ACTION				
	☐ ACIDIZE		ALTER CASING		CASING REPAIR		
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS		CHANGE TUBING		CHANGE WELL NAME		
6/3/2011	☐ CHANGE WELL STATUS		COMMINGLE PRODUCING FORMATIONS		CONVERT WELL TYPE		
SUBSEQUENT REPORT	DEEPEN	□ <b>F</b>	FRACTURE TREAT		NEW CONSTRUCTION		
Date of Work Completion:	OPERATOR CHANGE		PLUG AND ABANDON		PLUG BACK		
	☐ PRODUCTION START OR RESUME	1	RECLAMATION OF WELL SITE		RECOMPLETE DIFFERENT FORMATION		
SPUD REPORT Date of Spud:	☐ REPERFORATE CURRENT FORMATION	□ s	SIDETRACK TO REPAIR WELL		TEMPORARY ABANDON		
	☐ TUBING REPAIR		/ENT OR FLARE		WATER DISPOSAL		
DRILLING REPORT	☐ WATER SHUTOFF		SI TA STATUS EXTENSION		APD EXTENSION		
Report Date:	□ WILDCAT WELL DETERMINATION		OTHER	отн	ED.		
l .	DMPLETED OPERATIONS. Clearly show all pe nc. respectfully request autho			volumes,	etc.		
	all of 2011 on the referenced			а			
· · · · · · · · · · · · · · · · · · ·	detailed reclamation pla		F	<b>A</b>	ccepted by the		
	·				Itah Division of		
				Oli	, Gas and Mining		
			D	ate:_	06/07/2011		
			В	y:	Crowd & Gram		
NAME (PLEASE PRINT)	PHONE NUMBER	2	TITLE				
Mickenzie Gates	435 781-9145	`	Operations Clerk				
SIGNATURE N/A			<b>DATE</b> 6/3/2011				



# **EOG Resources, Inc. Reclamation Plan**

## **Description of Reclamation Plan**

This reclamation plan has been developed specifically for EOG Resources owned wells in the Green River District (GRD). Surface disturbances created for well production need to be reclaimed to a properly functioning self-perpetuating diverse plant community. The reclamation plan encompasses both the interim and final reclamation goals 'to immediately stabilize disturbed areas and provide necessary conditions to facilitate eventual ecosystem reconstruction by returning the land to a safe, stable, and properly functioning condition.' The contents of this document describe how a particular location will be evaluated and the reclamation actions taken based on monitoring to progress restoration toward reclamation objectives as identified by the GRD Reclamation Guidelines.

## Monitoring Site Conditions

Monitoring and site evaluation of locations owned by EOG Resources will commence in the 2009 growing season. The reclamation goals and objectives established by the GRD Reclamation Guidelines will be used to guide monitoring activities. Site specific evaluations will be made based on qualitative and quantitative data that will be gathered using an approved BLM methodology. Specifically, the vegetation community will be assessed based on the following objective:

Establish a desired self-perpetuating diverse plant community. The objective is to attain 75% basal cover based on similar undisturbed adjacent native vegetation community, and comprised of desired species and/or seeded species within 5 years of initial reclamation action. If after three (3) growing seasons there is less than 30% of the basal cover based on adjacent native vegetative community additional seeding efforts may be required.

Reserve pit procedures will be addressed on an individual APD basis within the site specific Surface Use Plan.

Both a qualitative and quantitative assessment of site conditions will be carried out at each location following the methodology listed below.

#### Monitoring Methods

Quantitative Analysis

Transects will be established in the reclamation and reference areas to measure basal cover, species occurrence, and vegetative composition using a point intercept method (BLM Technical reference 1734-4). Density data will be collected following methods outlined in the BLM Technical reference 1734-4 (p. 94-101).



## Qualitative Analysis

Qualitative monitoring for each well location is comprised of an evaluation of the overall site condition with respect to vegetation establishment, noxious weed and undesirable species occurrence, grazing, site contouring, and traffic patterns. Features such as site stability,

identification of erosion features, and site contouring are included in the site condition assessment. Soil quality will be evaluated on its ability to support vegetation establishment.

As part of qualitative monitoring, pictures of site conditions will be taken following the guidelines of Sampling Vegetation Attributes (BLM Technical reference 1734-4 p.31-32). A permanent photo point will be defined by a cardinal direction and a set distance of 20, 30, 40, or 50 meters from the well head. Five pictures will be taken at the established photo point location, one close-up and four landscape photos. The close-up photograph is centered around a 25cm<sup>2</sup> PVC plot frame placed on the ground to depict soil surface conditions. One landscape picture will be taken in each cardinal direction (N, E, S, W). Additional photos will be taken of unique disturbance features that are noteworthy or need specific reclamation actions.

## **Reclamation Actions**

Observations and data gathered during the monitoring of locations will be used to inform and direct reclamation activities. Reclamation activities will be prioritized so that restoration trends can progress in a timely manner.

## Topsoil Handling

During the construction of well facilities subsoil and topsoil will be stored separately in clearly marked stockpiles. Woody materials (shrubs, sub-shrubs) that are cleared from a location during site construction should be chipped and incorporated into the topsoil stockpile. Once well construction is complete and where possible, stockpiled topsoil will be integrated into the interim reclamation area on top of subsoil layers. Incorporating topsoil into the interim reclamation area will help to maintain its biological integrity and prevent structural damage commonly associated with stockpiling. Maintained topsoil stockpiles will be seeded with a native plant seed mix. Additional soil erosion controls (tackifiers, fiber matting, etc.) will be installed if a stockpile is susceptible to erosion or having difficulty establishing vegetation. Soils will not be handled when conditions are excessively wet (identified by mud sticking to equipment) or frozen. All topsoil will be managed to ensure the biological, chemical, and physical integrity during storage.

#### Site Reconstruction

Upon completion of well construction subsoil and topsoil will be replaced in the order from which they were removed without mixing soil layers. During site re-contouring subsoil will be deep ripped and topsoil will be distributed over ripped subsoil to create an adequate seedbed for future re-vegetation actions.



#### Seedbed Preparation

The seedbed will be prepared by restoring topsoil to pre-disturbance depths in a roughened condition that discourages erosion and enhances water infiltration. Distributing available woody debris over the surface to be reclaimed will also be done as necessary to create micro-topography to promote seed germination and to reduce soil movement.

#### Topsoil Amending

Topsoil will be tested and assessed for seedbed quality once it is re-distributed on a location. If topsoil is found inadequate for seeding (high soil pH, salts, sodium, etc.) soil will be ameliorated as necessary. Topsoil amending commonly includes but is not limited to the application of soil conditioners, fertilizing, and/or mulching. Initial testing of topsoil quality will occur as soon as seedbed preparation is finalized and a location is ready to be seeded. Typically soil quality will be tested and amended in the spring. If a location received a spring application of soil amendments, re-testing of soil quality will be done prior to fall seeding in order to ensure soil quality improvement. If site preparation timing does not allow for spring soil testing and amending the application of soil amendments will occur in the fall.

## Site Stabilization and Topography

Water courses and drainage features will be reconstructed and stabilized. Visual composition and characteristics will be re-established to blend with the natural surroundings.

#### Interim reclamation area site stability and contouring

The 'interim reclamation area' is defined as the area of the well pad that is not used by day to day well operations. This area will be re-vegetated when well construction is completed. Recommendations for additional dirt work will be made if the interim reclamation area has unstable slopes and erosion features are present. Soil stability will be assessed on presence/absence of erosion features such as rills, gullies, pedestalling, and actively eroding gullies. Sites that have unstable soil surfaces will have stabilization measure(s) applied. Examples of soil stabilization and erosion prevention measures include but are not limited to mulch, tackifiers, fiber blankets, and wattles. Prescriptions for the application of erosion control are made on a site by site basis.

#### Final reclamation area site stability

The area surrounding well equipment (well head, combo unit, production tanks, etc) will be referred to as the 'final reclamation area.' This area will not be re-vegetated during the production life of the well to facilitate day to day well operations. Periodically the final reclamation area will be dragged to mitigate rutting and weed establishment.

#### Control of Undesirable Species

Undesirable and noxious species will be controlled using the principles of an integrated weed management program and will be dictated by site evaluation and monitoring. The application of herbicides will be done by a certified applicator and an approved Pesticide Use Proposal will be obtained before application.



#### Interim reclamation area

A broadleaf herbicide will be used to control noxious weeds and other undesirable species such as halogeton (*Halogeton glomeratus*). Spraying of herbicide will begin in late spring when target

weeds are large enough to be effectively killed and/or seed production stymied. Application of herbicide will continue as needed until late summer before plants are able to set viable seed.

#### Final reclamation area

Undesirable and noxious species will be controlled in the final reclamation area. As a safety precaution a biannual pre-emergent herbicide will be applied as 10-15 ft weed free buffer zone

around well infrastructure. If weeds emerge between dragging and pre-emergent herbicide treatments, a broadleaf herbicide will be applied to control weed occurrences across the entire final reclamation area.

Following all herbicide applications sites will be monitored for the efficacy of application and additional controls will be implemented as site conditions necessitate.

## Re-vegetation

The interim reclamation area of newly completed wells or areas with poor vegetation establishment will undergo re-vegetation measures. Once topsoil quality is sufficient to support vegetation establishment native plant seed will be applied with a Truax FlexII Range Drill or will otherwise be broadcast on slopes in excess of 40%. Seeding activities will only occur in the fall after soil temperatures are consistently below 55 °F to help ensure that any applied seed does not imbibe water and germinate. Seed mixes will be designed based on the reference site community and contain native species designed to stabilize soils, restore production, and provide wildlife habitat. Based on site conditions one of two general native seed mixes will be applied 1) a grass dominated mix or a 2) shrub/forb seed mix. Locations with little to no existing standing vegetation will receive a grass dominated seed mix and sites that have established grasses but are lacking in shrubs and forbs will receive a native shrub/forb mix. Seed mixes will be applied at a rate of 10 to 17 Pure Live Seed (PLS) per acre depending on the seed mix. Seed application rate will be doubled for broadcast seeding.

#### Waste Materials

All waste materials will be segregated from the subsoil and topsoil. Waste materials will be transported and disposed of off-site and placed in an authorized disposal facility in accordance with all local, State and Federal requirements.

#### Monitoring

Effectiveness monitoring will be carried out to assess if implemented reclamation activities have advanced restoration toward reclamation goals and objectives. Additionally monitoring data will be used to assess compliance with the reclamation plan objectives stated in the GRD Reclamation Guidelines on an annual basis. An annual reclamation report containing monitoring



data, reclamation activities taken, and compliance with the reclamation objectives will be submitted to the Authorized Officer no later than May of the following year.

## **Reclamation Action Plan**

This well reclamation plan is designed to provide a course of action on locations to stabilize soils, build soil biota, and restore temporary wildlife habitat and forage during the interim period between well construction and plug and abandonment. The reclamation plan provides a building block for restoring properly functioning self-perpetuating diverse native plant community. From the outset, data collected from monitoring site conditions will be used to inform reclamation activities. Priority reclamation activities include control of noxious and undesirable species and stabilize the disturbance regime. Soil and site stability will be evaluated for its ability to withstand wind and water erosion. Topsoil and seedbed quality will be assessed and ameliorated based on the ability to support vegetation and seed establishment once a site is protected from erosion. Following site preparations locations will be seeded with a native seed mix and be continually monitored for a positive restoration trend. Reclamation actions in the first year will be focused toward noxious and undesirable species control, soil health, and establishing vegetation to increase site stabilization. In subsequent years, reclamation activities will focus on vegetation recruitment and the development of a diverse plant community. Reclamation activities will continue until a location has reached the reclamation objectives as stated by the GRD Reclamation Guidelines. Well locations that the outlined reclamation plan applies to are included on pages 5 and 6.

The timing of reclamation actions is crucial in arid land restoration. The table below provides a list of reclamation actions and the months when they will occur.

Table 1	. Reclamation	actions	time table
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Reclamation Actions	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Reclamation Planning		X	X					X	X			
Weed control			X	X	X	X	X					
Soil quality testing				X	X	X	X			X	X	
Apply soil amendments		Ī .	_		X	X		_		X	X	X
Monitoring					X	X	X					
Seeding										X	X	X
Report writing	X	X										

The interim reclamation area on operational well locations will be seeded with a native seed mix tailored specifically for the native soils and vegetation of the area. Vegetation and soil data gathered during annual monitoring and the Soil Survey of Uintah Area (NRCS) were used to formulate seed mixes. Forage quality and palpability were also taken into account for each of the seed mixes.

Interim Alkali and Greasewood Seed Mix					
Species	Common Name	PLS lbs/acre			
Achnatherum hymenoides	Indian ricegrass	5.5			
Cleome serrulata	Rocky mountain bee plant	1			
Elymus elymoides	squirreltail	1.5			
Pascopyrum smithii	western wheatgrass	1			
Plueraphis jamesii	James' galleta	6			
Poa secunda	Sandberg bluegrass	1.5			
Sphaeralcea coccinea	scarlet globemallow	0.25			
Sphaeralcea munroana	ana Munro's globemallow				
Total PLS lbs/acre: 17					

Interim Sagebrush Seed Mix					
Species	PLS lbs/acre				
Achnatherum hymenoides	Indian ricegrass	5			
Cleome serrulata	Rocky mountain bee plant	1.5			
Elymus elymoides	squirreltail	1.5			
Elymus lanceolatus	thickspike wheatgrass	2			
Plueraphis jamesii	James' galleta	5			
Poa secunda	Sandberg bluegrass	2			
	Total PLS lbs/acre:	17			

Interim Sandy Seed Mix					
Species	Common Name	PLS lbs/acre			
Achnatherum hymenoides	Indian ricegrass	5.5			
Cleome serrulata	Rocky mountain bee plant	1			
Hesperostipa comata	needle and thread grass	3.5			
Oenothera pallida	pale evening primrose	0.5			
Plueraphis jamesii	James' galleta	5.5			
Sphaeralcea munroana	Munro's globemallow	0.5			
Sporobolus airoides	alkali sacaton	0.5			
	17				



Topsoil Seed Mix (Temporary)						
Species Common Name PLS lbs/ac						
	Quickguard	6.0				
Achnatherum hymenoides	Indian ricegrass	3.00				
Cleome lutea	Yellow beeplant	1.00				
Hesperostipa comata	Needle and thread grass	3.0				
Poa secunda	Sandberg bluegrass	3.0				
Sphaeralcea munroana	Munro's globemailow	0.25				
	Total PLS lbs/acre: 16.25					

Table 2. Nutritive value for grasses of range grasses included in seed mixes. Data is given as a percentage of dry matter. (USDA Forest Service Gen. Tech. Rep. RMRS-GTR-136. 2004)

	Spring		Summ	er	Winter	
Species	Digestibility	Crude protein	Digestibility	Crude protein	Digestibility Crude protein	
Elymus elymoides	72.3	18.5	59.7	8.0	42.0	4.3
Plueraphis jamesii	-	-	-	7.7	48.2	4.6
Achnatherum hymenoides	67.1	15.9	-	-	50.5	3.1
Hesperostipa comata	-	16.2	-	6.5	46.6	3.7
Poa secunda	62.2	17.3	-	9.4	-	4.2

## All soil types derived from:

Garth W. Leishman, Robert H. Fish, and Randy J. Lewis, (Natural Resources Conservation Service) Soil Survey of Uintah Area, Utah-Parts of Daggart, Grand, and Uintah Counties, 1995.